Juvenile hormone modulates hydrocarbon expression and reproduction in the German wasp *Vespula germanica*

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Supplemental Information

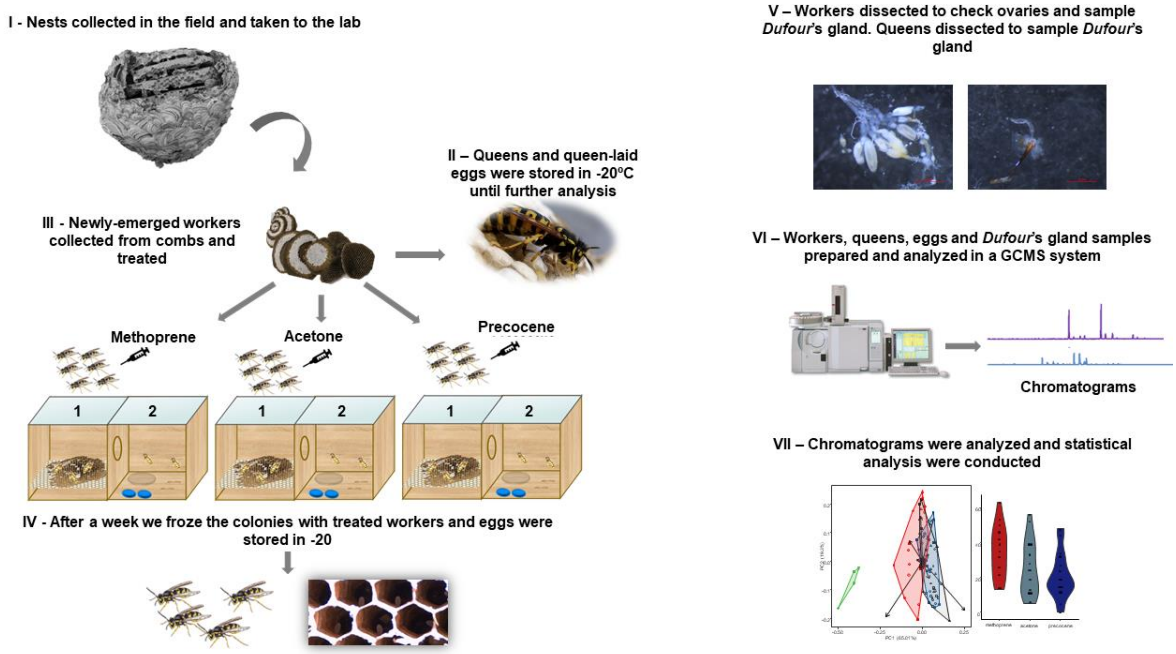

Figure S1: Experimental setup used to conduct in the present work. I - Nests containing the queen, workers and combs full of immature were collected in the field and taken to the laboratory. II - Once in the lab, we stored queens and queen-laid eggs in -20ºC until further analysis. III - We collected newley-emerged wasps from combs and treated them with (1) solvent, (2) methoprene or (3) precocene. IV - Upon treatments, we kept workers in experimental boxes for a week (1 = box containing comb for workers lay eggs; 2 = foraging box). After a week, all the alive workers plus the combs containing eggs were stored in -20ºC until further analysis. V – We dissected workers to access their ovary activation and to sample their *Dufour*'s gland. We also dissected queens to sample their *Dufour*'s gland. VI - We prepared and analyzed samples from worker and queen body surface, eggs and *Dufour*'s gland content in a Gas Chromatography coupled with a Mass Spectrometer system (GCMS). VII – We analyzed the chromatograms and performed statistical analysis.

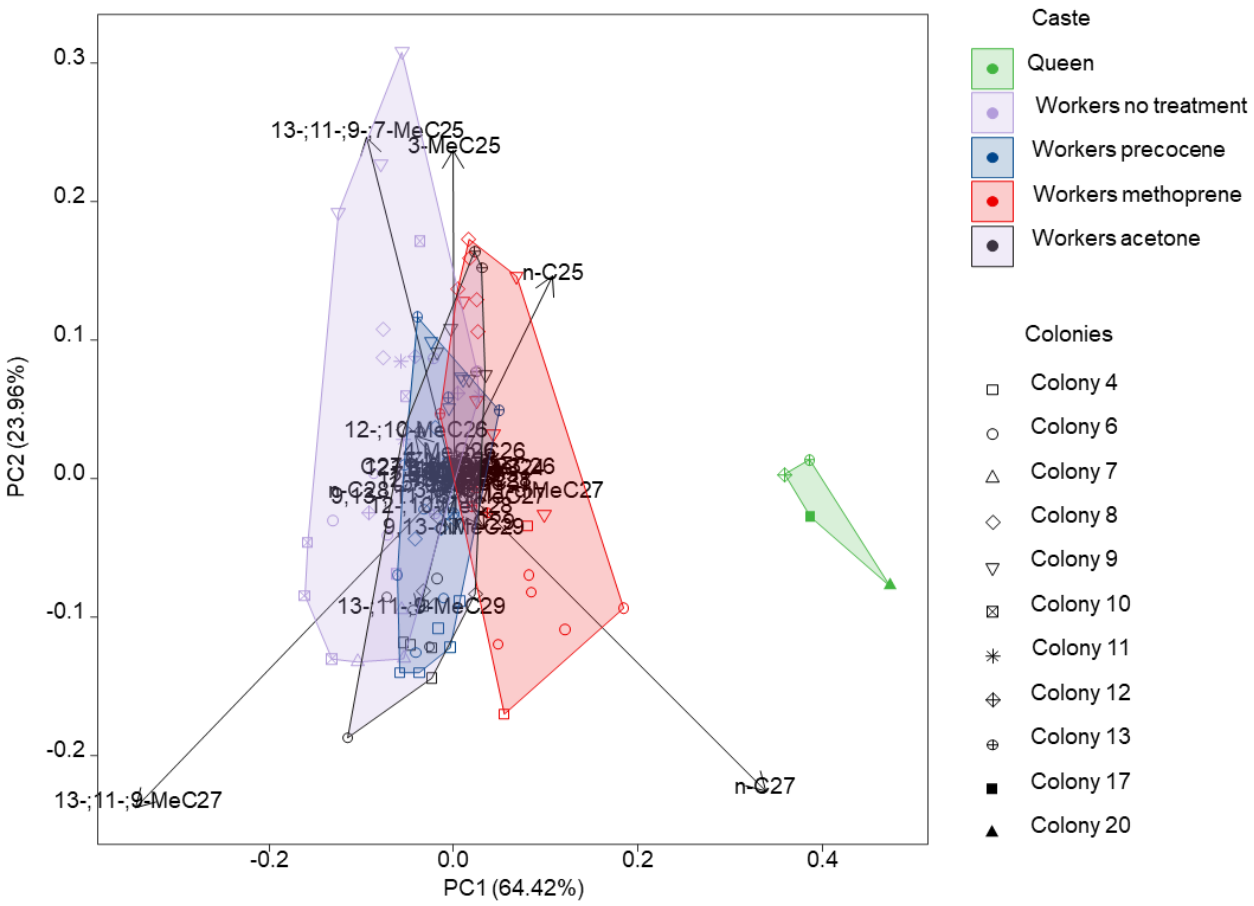

Figure S2: Principal component analysis (PCA) showing cuticular hydrocarbons differences in *Vespula germanica*. The symbols indicate the origin of the colonies and colours correspond to groups of females. Females are primarily separated according to their caste, however, methoprene treated workers represent the intermediate group between the queens and the remaining groups of workers.

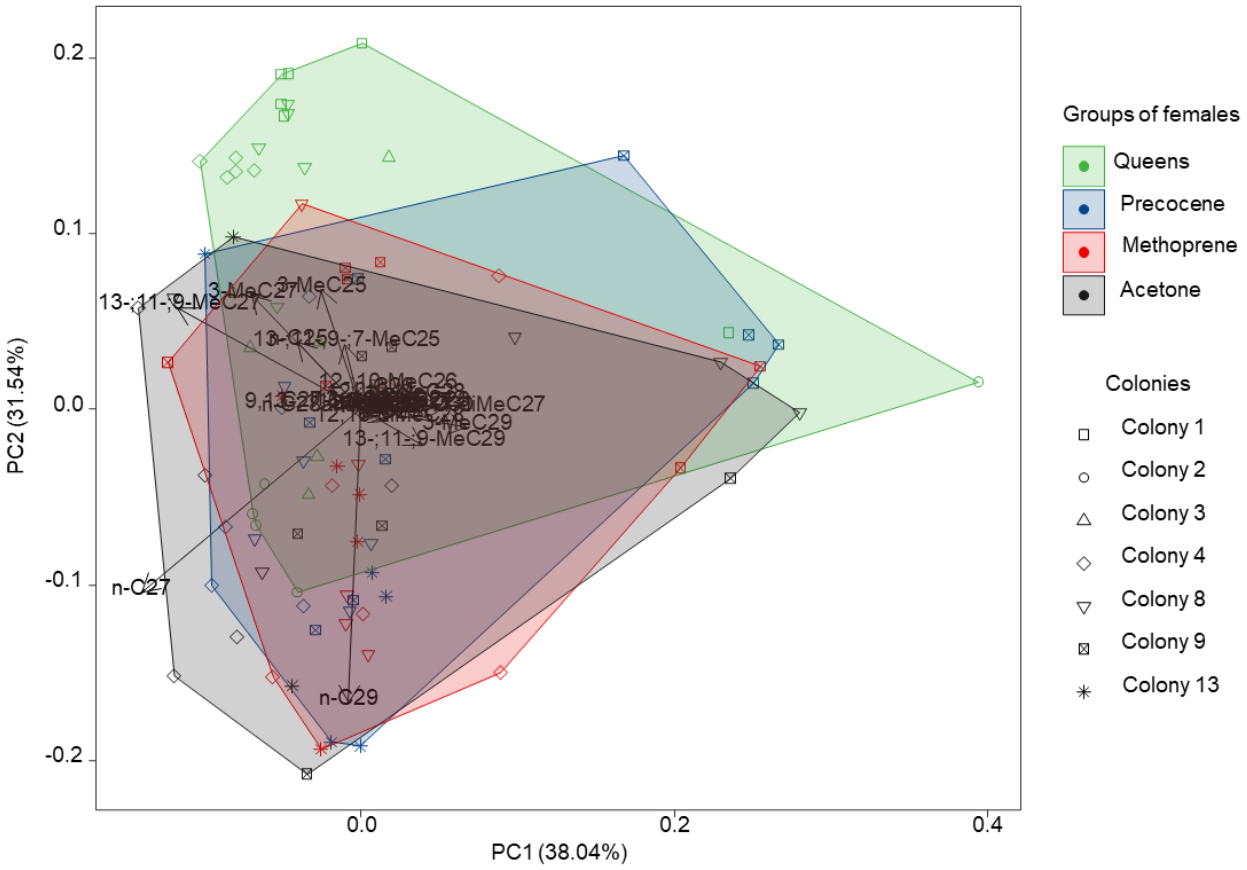

Figure S3: Principal component analysis (PCA) showing groups distribution of the hydrocarbons found in the surface of eggs in *Vespula germanica*. The symbols indicate the origin of the colonies and colours correspond to groups of females. In the x-axis is shown the principal component 1 (PC1), whereas the y-axis corresponds to principal component 2 (PC2). Chemical compounds depicted represent the ones highlighted by the similarity analysis (SIMPER).

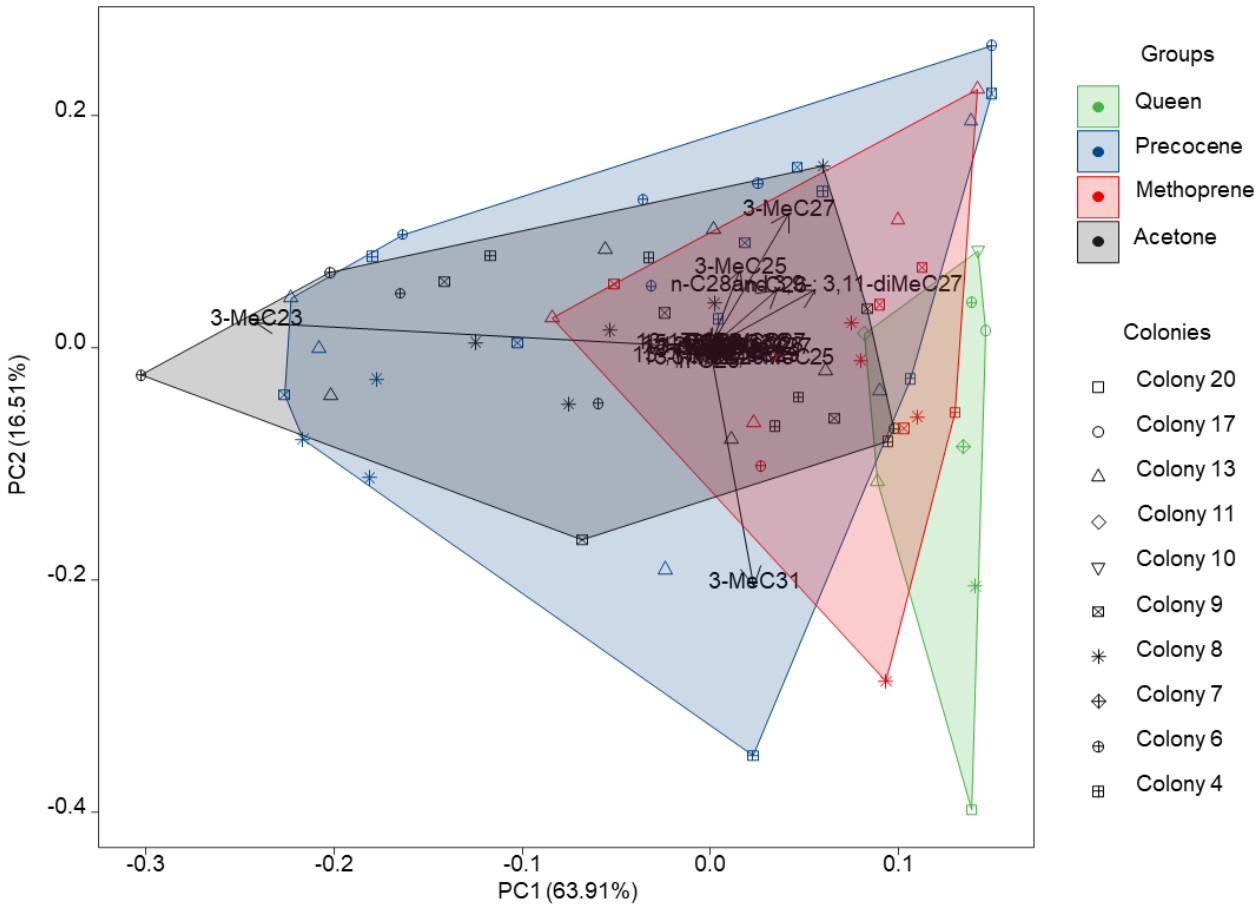

Figure S4: Principal component analysis (PCA) showing groups distribution of the hydrocarbons found in the *Dufour*'s gland of *Vespula germanica*. The symbols indicate the origin of the colonies and colours correspond to groups of females. In the x-axis is shown the principal component 1 (PC1), whereas the y-axis corresponds to principal component 2 (PC2). Chemical compounds depicted represent the ones highlighted by the similarity analysis (SIMPER).

Table S1: Cuticular hydrocarbons identified in the samples of queens and treated workers of *Vespula germanica*. Peaknr = peak number, RT = retention time, RI = retention index.

Cuticular hydrocarbons of *Vespula germanica*				
peak nr	RT	RI	compound	diagnostic ions
1	18.76	2200	n-C22	310
2	19.79	2300	n-C23	324
3	20.19	2331	11-;9-MeC23	141/169/197/225
4	20.34	2344	5-MeC23	85/281
5	20.56	2366	3-MeC23	57/309
6	20.85	2400	n-C24	338
7	21.23	2428	12-;11-;10-MeC24	155/169/183/197/211/225
8	21.47	2451	4-MeC24	71/309
9	21.63	2467	C25:1	350
10	21.90	2500	n-C25	352
11	22.29	2528	13-;11-;9-;7-MeC25	197/169/225/141/253/113/281
12	22.45	2543	5-MeC25	85/309
13	22.69	2565	3-MeC25	57/337
14	22.99	2600	n-C26	366
15	23.37	2627	12-;10-MeC26	155/183/225/253
16	23.65	2652	4-MeC26	71/337
17	23.83	2668	C27:1and 3-MeC26	378 + 57/351
18	24.10	2700	n-C27	380
19	24.50	2729	13-;11-;9-MeC27	141/169/197/225/253/281
20	24.97	2770	9,13-; 11,15-diMeC27	141/211/225/295/169/197/239/267
21	25.32	2800	n-C28 + 3,9-; 3,11-diMeC27	394 + 57/155/183/253/281/379
22	25.70	2835	12-;10-MeC28	155/183/253/281
23	26.06	2866	12,16-diMeC28	183/197/253/267
24	26.21	2879	C29:1	406
25	26.47	2900	n-C29	408
26	26.87	2937	13-;11-;9-MeC29	141/169/197/253/281/309
27	27.35	2979	9,13-diMeC29	141/211/253/323
28	28.25	3058	3-MeC29	57/393
29	29.32	3153	15-;13-MeC31	197/225/253/281
30	29.70	3187	7-MeC31	113/365
31	31.82	3380	7,x-diMeC33	113

Table S2: Hydrocarbons identified in the surface of eggs laid by queens and treated workers of *Vespula germanica*. Peaknr = peak number, RT = retention time, RI = retention index.

Hydrocarbons found in the eggs of *Vespula germanica*				
peaknr	RT	RI	compound	diagnostic ions
1	17.71	2100	n-C21	296
2	19.85	2300	n-C23	324
3	20.40	2348	3-MeC23	57/309
4	20.91	2400	n-C24	338
5	21.28	2430	12-;10-MeC24	197/183/155/225
6	21.69	2469	C25:1	350
7	21.95	2500	n-C25	352
8	22.34	2530	13-;11-;9-;7-MeC25	197/169/225/141/253/113/281
9	22.49	2544	5-MeC25	85/309
10	22.74	2567	3-MeC25	57/337
11	23.04	2600	n-C26	366
12	23.43	2629	12-;10-MeC26	155/183/225/253
13	23.73	2656	4-MeC26	71/337
14	23.88	2670	C27:1and 3-MeC26	378 + 57/351
15	24.16	2700	n-C27	380
16	24.55	2730	13-;11-;9-MeC27	141/169/197/225/253/281
17	24.92	2762	9,13-; 11,15-diMeC27	141/211/225/295/169/197/239/267
18	25.01	2771	3-MeC27	57/365
19	25.34	2800	n-C28 and 3,9-; 3,11-diMeC27	394 + 57/155/183/253/281/379
20	25.73	2834	12-;10-MeC28	155/183/253/281
21	26.05	2862	12,16-diMeC28	183/197/253/267
22	26.22	2877	C29:1	406
23	26.49	2900	n-C29	408
24	26.88	2935	13-;11-;9-MeC29	141/169/197/253/281/309
25	27.25	2968	3-MeC29	57/393
26	27.68	3000	n-C30	422
27	28.64	3100	n-C31	436

Table S3: Hydrocarbons identified in the *Dufour's* gland of queens and treated workers of *Vespula germanica*. Peaknr = peak number, RT = retention time, RI = retention index.

Hydrocarbons found in the *Dufour's* gland of *Vespula germanica*				
peaknr	RT	RI	compound	diagnostic ions
1	19.85	2300	n-C23	324
2	20.44	2353	3-MeC23	57/309
3	20.89	2400	n-C24	338
4	21.30	2434	12-;10-MeC24	197/183/155/225
5	21.95	2500	n-C25	352
6	22.29	2527	13-;11-;9-;7-MeC25	197/169/225/141/253/113/281
7	22.76	2571	3-MeC25	57/337
8	23.09	2600	n-C26	366
9	23.39	2628	12-;10-MeC26	155/183/225/253
10	23.77	2662	C27:1	378
11	24.07	2700	n-C27	380
12	24.24	2705	13-;11-;9-MeC27	141/169/197/225/253/281
13	24.53	2731	7-;5-MeC27	113/309/85/337
14	24.97	2770	3-MeC27	57/365
15	25.39	2800	n-C28and 3,9-; 3,11-diMeC27	394 + 57/155/183/253/281/379
16	26.10	2870	C29:1	406
17	26.40	2900	n-C29	408
18	26.61	2915	13-;11-;9-MeC29	141/169/197/253/281/309
19	26.88	2938	7-MeC29	113/337
20	27.02	2950	3-MeC29	57/393
21	28.98	3121	15-;13-MeC31	197/225/253/281
22	29.51	3168	3-MeC31	57/421
23	31.54	3371	13,17-diMeC33	197/253/267/323

Table S4: Percentage similarity analysis (SIMPER – Bray-Curtis 999 permutations) showing the ten most important hydrocarbons for group differentiation, cuticular hydrocarbons, eggs and *Dufour's* gland. SD = standard deviation; Av = overall average.

Cuticular hydrocarbons							
	average	**sd**	**ratio**	**Av. queens**	**Av. acetone**	**p**	**significance**
n-C27	0.090	0.017	5.433	31.582	13.532	0.001	***
13-;11-;9-MeC27	0.088	0.016	5.405	9.445	27.030	0.001	***
n-C25	0.033	0.013	2.494	13.567	7.036	0.001	***
13-;11-;9-;7-MeC25	0.029	0.010	3.015	1.625	7.382	0.001	***
n-C26	0.014	0.003	5.167	5.028	2.236	0.001	***
13-;11-;9-MeC29	0.013	0.005	2.590	1.185	3.768	0.001	***
12-;10-MeC26	0.012	0.001	9.551	0.775	3.231	0.001	***
3-MeC25	0.010	0.007	1.471	7.383	6.450	0.737	n.s.
9,13-;11,15-diMeC27	0.008	0.006	1.397	17.132	16.784	0.219	n.s.
n-C29	0.006	0.002	3.200	2.320	1.144	0.002	**
	average	**sd**	**ratio**	**Av. queens**	**Av. methoprene**	**p**	**significance**
n-C27	0.081	0.023	3.482	31.582	15.464	0.001	***
13-;11-;9-MeC27	0.067	0.010	6.556	9.445	22.852	0.001	***
13-;11-;9-;7-MeC25	0.027	0.010	2.623	1.625	7.053	0.001	***
n-C25	0.027	0.012	2.267	13.567	8.157	0.001	***

n-C26	0.013	0.003	5.315	5.028	2.360	0.001	***
3-MeC25	0.012	0.008	1.538	7.383	7.030	0.294	n.s.
9,13-;11,15-diMeC27	0.011	0.008	1.346	17.132	15.828	0.016	*
13-;11-;9-MeC29	0.010	0.004	2.502	1.185	3.232	0.001	***
12-;10-MeC26	0.010	0.003	3.706	0.775	2.783	0.001	***
C27:1 + 3-MeC26	0.004	0.004	1.165	0.828	1.690	0.056	n.s.

	average	**sd**	**ratio**	**Av. queens**	**Av. precocene**	**p**	**significance**
n-C27	0.089	0.017	5.266	31.582	13.752	0.001	***
13-;11-;9-MeC27	0.087	0.012	7.355	9.445	26.913	0.001	***
13-;11-;9-;7-MeC25	0.029	0.007	4.392	1.625	7.512	0.001	***
n-C25	0.029	0.012	2.536	13.567	7.717	0.001	***
n-C26	0.014	0.003	5.402	5.028	2.310	0.001	***
13-;11-;9-MeC29	0.013	0.004	3.176	1.185	3.701	0.001	***
12-;10-MeC26	0.012	0.001	10.224	0.775	3.258	0.001	***
3-MeC25	0.009	0.006	1.501	7.383	6.239	0.803	n.s.
9,13-;11,15-diMeC27	0.008	0.007	1.299	17.132	16.208	0.257	n.s.
n-C29	0.006	0.001	4.373	2.320	1.040	0.001	***

	average	**sd**	**ratio**	**Av. acetone**	**Av. methoprene**	**p**	**significance**
13-;11-;9-MeC27	0.023	0.015	1.572	27.030	22.852	0.631	n.s.
n-C27	0.017	0.013	1.369	13.532	15.464	0.826	n.s.
3-MeC25	0.012	0.008	1.504	6.450	7.030	0.006	**
13-;11-;9-;7-MeC25	0.012	0.008	1.451	7.382	7.053	0.722	n.s.
n.C25	0.010	0.007	1.403	7.036	8.157	0.748	n.s.
9,13-; 11,15-diMeC27	0.009	0.006	1.421	16.784	15.828	0.003	**
13-;11-;9-MeC29	0.006	0.004	1.428	3.768	3.232	0.677	n.s.
C27:1 + 3-MeC26	0.003	0.004	0.982	1.116	1.690	0.001	**
n-C29	0.003	0.003	1.172	1.144	1.615	0.018	*
n-C23	0.003	0.005	0.628	0.187	0.756	0.003	***

	average	**sd**	**ratio**	**Av. acetone**	**Av. precocene**	**p**	**significance**
13-;11-;9-MeC27	0.015	0.012	1.302	27.030	26.913	1.000	n.s.
13-;11-;9-;7-MeC25	0.010	0.006	1.490	7.382	7.512	1.000	n.s.
n-C25	0.009	0.006	1.462	7.036	7.717	0.960	n.s.
3-MeC25	0.009	0.006	1.381	6.450	6.239	1.000	n.s.
n-C27	0.009	0.006	1.328	13.532	13.752	1.000	n.s.
9,13-;11,15-diMeC27	0.007	0.005	1.423	16.784	16.208	0.994	n.s.
13-;11-;9-MeC29	0.005	0.003	1.455	3.768	3.701	0.967	n.s.
9,13-diMeC29	0.003	0.002	1.286	2.952	2.738	0.656	n.s.
n-C26	0.002	0.001	1.362	2.236	2.310	0.995	n.s.
C27:1 + 3-MeC26	0.002	0.001	1.419	1.116	1.404	0.996	n.s.

	average	**sd**	**ratio**	**Av. methoprene**	**Av. precocene**	**p**	**significance**
13-;11-;9-MeC27	0.021	0.013	1.676	22.852	26.913	0.859	n.s.
n-C27	0.017	0.012	1.378	15.464	13.752	0.869	n.s.
3-MeC25	0.012	0.008	1.494	7.030	6.239	0.017	*
13-;11-;9-;7-MeC25	0.010	0.007	1.414	7.053	7.512	0.991	n.s.
9,13-;11,15-diMeC27	0.008	0.005	1.580	15.828	16.208	0.292	n.s.

n-C25	0.007	0.006	1.274	8.157	7.717	0.999	n.s.
13-;11-;9-MeC29	0.005	0.004	1.331	3.232	3.701	0.995	n.s.
n-C29	0.003	0.003	1.144	1.615	1.040	0.010	**
n-C23	0.003	0.005	0.658	0.756	0.211	0.001	**
15-;13-MeC31	0.003	0.004	0.726	0.796	0.256	0.001	***

Eggs

	average	Sd	ratio	Av. queens	Av. acetone	p	significance
n-C27	0.039	0.028	1.394	15.529	18.562	0.186	n.s
n-C29	0.034	0.026	1.296	3.631	8.541	0.379	n.s
13-;11-;9-MeC27	0.033	0.027	1.237	18.989	15.493	0.074	n.s
3-MeC27	0.028	0.018	1.562	13.140	8.716	0.001	***
3-MeC25	0.021	0.019	1.102	8.385	4.852	0.004	**
n-C25	0.019	0.013	1.414	8.484	6.639	0.001	***
3-MeC29	0.015	0.018	0.818	3.985	4.515	0.139	n.s
13-;11-;9-MeC29	0.012	0.010	1.162	3.020	3.748	0.073	n.s
13-;11-;9-;7-MeC25	0.011	0.008	1.260	5.437	4.376	0.092	n.s
4-MeC26	0.010	0.031	0.309	1.151	2.743	0.096	n.s

	average	sd	ratio	Av. queens	Av. methoprene	p	significance
n-C29	0.039	0.026	1.479	3.631	10.498	0.002	**
n-C27	0.033	0.025	1.297	15.529	16.267	0.885	n.s
13-;11-;9-MeC27	0.030	0.024	1.253	18.989	16.229	0.429	n.s
3-MeC27	0.024	0.015	1.611	13.140	9.775	0.011	*
3-MeC25	0.022	0.019	1.129	8.385	5.050	0.002	**
n-C25	0.016	0.011	1.489	8.484	6.125	0.097	n.s
13-;11-;9-MeC29	0.013	0.010	1.242	3.020	4.593	0.010	**
3-MeC29	0.013	0.021	0.611	3.985	4.635	0.501	n.s
13-;11-;9-;7-MeC25	0.011	0.009	1.304	5.437	4.506	0.009	**
9,13-;11,15-diMeC27	0.009	0.011	0.878	3.567	4.720	0.293	n.s

	average	sd	ratio	Av. queens	Av. precocene	p	significance
n-C29	0.039	0.025	1.521	3.631	10.253	0.005	**
n-C27	0.035	0.025	1.403	15.529	17.110	0.656	n.s
13-;11-;9-MeC27	0.034	0.027	1.255	18.989	15.991	0.031	*
3-MeC27	0.026	0.016	1.644	13.140	8.879	0.002	***
3-MeC25	0.020	0.019	1.078	8.385	4.836	0.005	**
n-C25	0.017	0.011	1.521	8.484	5.677	0.007	**
3-MeC29	0.011	0.017	0.686	3.985	4.531	0.719	n.s
13-;11-;9-MeC29	0.011	0.008	1.389	3.020	4.276	0.308	n.s
13-;11-;9-;7-MeC25	0.011	0.008	1.268	5.437	4.493	0.097	n.s
9,13-;11,15-diMeC27	0.009	0.006	1.414	3.567	4.237	0.512	n.s

	average	sd	ratio	Av. acetone	Av. methoprene	p	significance
n-C27	0.039	0.029	1.359	18.562	16.267	0.161	n.s
n-C29	0.033	0.024	1.356	8.541	10.499	0.568	n.s
13-;11-;9-MeC27	0.023	0.020	1.132	15.493	16.229	0.964	n.s
3-MeC27	0.017	0.013	1.294	8.716	9.776	0.965	n.s
3-MeC29	0.015	0.015	0.980	4.515	4.635	0.198	n.s
n-C25	0.013	0.015	0.912	6.639	6.126	0.695	n.s

3-MeC25	0.012	0.011	1.116	4.852	5.050	0.949	n.s
13-;11-;9-MeC29	0.012	0.009	1.279	3.748	4.593	0.193	n.s
4-MeC26	0.010	0.031	0.322	2.743	1.251	0.049	*

	average	sd	ratio	Av. acetone	Av. precocene	p	significance
n-C27	0.038	0.030	1.278	18.562	17.110	0.195	n.s
n-C29	0.033	0.023	1.407	8.541	10.253	0.582	n.s
13-;11-;9-MeC27	0.028	0.023	1.215	15.493	15.991	0.629	n.s
3-MeC27	0.016	0.013	1.230	8.716	8.879	0.990	n.s
3-MeC29	0.013	0.010	1.298	4.515	4.531	0.406	n.s
n-C25	0.013	0.015	0.827	6.639	5.677	0.761	n.s
4-MeC26	0.010	0.031	0.330	2.743	1.297	0.020	*
13-;11-;9-MeC29	0.010	0.007	1.477	3.748	4.276	0.643	n.s
n-C28 + 3,9-;3,11-diMeC27	0.010	0.011	0.852	3.216	3.332	0.031	*
3-MeC25	0.009	0.009	1.055	4.852	4.836	1.000	n.s

	average	sd	ratio	Av. methoprene	Av. precocene	p	significance
n-C27	0.035	0.028	1.251	16.267	17.110	0.665	n.s
n-C29	0.030	0.022	1.379	10.499	10.253	0.933	n.s
13-;11-;9-MeC27	0.025	0.021	1.202	16.229	15.991	0.932	n.s
3-MeC27	0.014	0.012	1.210	9.776	8.879	1.000	n.s
3-MeC25	0.011	0.009	1.144	5.050	4.836	0.993	n.s
3-MeC29	0.010	0.014	0.718	4.635	4.531	0.857	n.s
n-C25	0.009	0.010	0.952	6.126	5.677	0.999	n.s
9,13-;11,15-diMeC27	0.009	0.010	0.873	4.721	4.237	0.410	n.s
13-;11-;9-;7-MeC25	0.008	0.006	1.337	4.507	4.493	0.947	n.s
13-;11-;9-MeC29	0.007	0.008	0.959	4.593	4.276	1.000	n.s

Dufour gland

	average	sd	ratio	Av. queens	Av. acetone	p	significance
3-MeC23	0.122	0.076	1.596	2.121	26.449	0.010	**
3-MeC31	0.050	0.053	0.952	13.836	7.488	0.120	n.s.
n-C28 + 3,9-;3,11-diMeC27	0.047	0.029	1.644	21.646	13.114	0.001	**
n-C26	0.030	0.019	1.541	11.014	6.533	0.007	**
3-MeC27	0.028	0.020	1.356	10.878	12.667	0.963	n.s.
3-MeC25	0.019	0.015	1.279	3.324	6.744	0.783	n.s.
13-;11-;9-;7-MeC25	0.016	0.013	1.231	8.245	6.441	0.776	n.s.
12-;10-MeC26	0.013	0.011	1.168	4.895	2.796	0.002	**
7-;5-MeC27	0.013	0.013	0.961	5.844	4.020	0.681	n.s.
n-C25	0.010	0.008	1.237	2.275	2.570	0.236	n.s.

	average	sd	ratio	Av. queens	Av. methoprene	p	significance
3-MeC31	0.055	0.051	1.086	13.836	9.735	0.061	n.s.
3-MeC23	0.047	0.044	1.063	2.121	11.117	1.000	n.s.
n-C28 + 3,9-;3,11-diMeC27	0.036	0.024	1.491	21.646	16.232	0.087	n.s.
3-MeC27	0.031	0.026	1.155	10.878	14.291	0.807	n.s.
3-MeC25	0.026	0.013	1.923	3.324	8.479	0.074	n.s.
n-C26	0.023	0.015	1.528	11.014	9.930	0.507	n.s.
13-;11-;9-;7-MeC25	0.019	0.021	0.905	8.245	9.326	0.497	n.s.

7-;5-MeC27	0.019	0.021	0.894	5.844	7.023	0.207	n.s.
12-;10-MeC26	0.011	0.010	1.190	4.895	3.553	0.041	*
12-;10-MeC24	0.009	0.008	1.055	2.374	0.629	0.015	*

	average	**sd**	**ratio**	**Av. queens**	**Av. precocene**	**p**	**significance**
3-MeC23	0.124	0.088	1.403	2.121	26.460	0.013	*
3-MeC31	0.057	0.058	0.983	13.836	6.862	0.035	*
n-C28 + 3,9-;3,11-diMeC27	0.047	0.033	1.428	21.646	13.668	0.001	**
3-MeC27	0.039	0.033	1.175	10.878	14.963	0.321	n.s.
n-C26	0.030	0.021	1.486	11.014	7.370	0.004	**
3-MeC25	0.026	0.022	1.202	3.324	8.280	0.052	n.s.
13-;11-;9-;7-MeC25	0.021	0.023	0.933	8.245	6.368	0.328	n.s.
7-;5-MeC27	0.017	0.016	1.025	5.844	3.858	0.311	n.s.
12-;10-MeC26	0.014	0.012	1.173	4.895	2.309	0.002	**
n-C25	0.010	0.010	1.035	2.275	1.959	0.227	n.s.

	average	**sd**	**ratio**	**Av. acetone**	**Av. methoprene**	**p**	**significance**
3-MeC23	0.093	0.071	1.318	26.449	11.117	0.645	n.s.
3-MeC31	0.037	0.031	1.206	7.488	9.735	0.736	n.s.
3-MeC27	0.031	0.026	1.195	12.667	14.291	0.909	n.s.
n-C28 + 3,9-;3,11-diMeC27	0.022	0.016	1.359	13.114	16.232	0.999	n.s.
n-C26	0.022	0.015	1.478	6.533	9.930	0.767	n.s.
13-;11-;9-;7-MeC25	0.021	0.023	0.916	6.441	9.326	0.348	n.s.
7-;5-MeC27	0.018	0.022	0.819	4.020	7.023	0.119	n.s.
3-MeC25	0.018	0.013	1.356	6.744	8.479	0.962	n.s.
n-C25	0.008	0.007	1.082	2.570	1.436	0.751	n.s.
3-MeC29	0.007	0.009	0.834	0.742	1.332	0.024	*

	average	**sd**	**ratio**	**Av. acetone**	**Av. precocene**	**p**	**significance**
3-MeC23	0.096	0.068	1.413	26.449	26.460	0.509	n.s.
3-MeC27	0.039	0.032	1.252	12.667	14.963	0.130	n.s.
3-MeC31	0.034	0.035	0.961	7.488	6.862	0.922	n.s.
n-C28 + 3,9-;3,11-diMeC27	0.028	0.018	1.542	13.114	13.668	0.851	n.s.
3-MeC25	0.022	0.018	1.260	6.744	8.280	0.168	n.s.
n-C26	0.021	0.017	1.273	6.533	7.370	0.925	n.s.
13-;11-;9-;7-MeC25	0.017	0.023	0.739	6.441	6.368	0.794	n.s.
7-;5-MeC27	0.011	0.013	0.805	4.020	3.858	0.974	n.s.
n-C25	0.010	0.009	1.032	2.570	1.959	0.232	n.s.
C29:1	0.007	0.006	1.092	1.826	1.151	0.252	n.s.

	average	**sd**	**ratio**	**Av. methoprene**	**Av. precocene**	**p**	**significance**
3-MeC23	0.101	0.075	1.341	11.117	26.460	0.175	n.s.
3-MeC31	0.043	0.040	1.091	9.735	6.862	0.326	n.s.
3-MeC27	0.040	0.033	1.237	14.291	14.962	0.154	n.s.
n-C28 + 3,9-;3,11-diMeC27	0.029	0.020	1.435	16.232	13.668	0.654	n.s.
13-;11-;9-;7-MeC25	0.026	0.029	0.903	9.326	6.368	0.026	*
n-C26	0.024	0.015	1.577	9.930	7.370	0.244	n.s.
7-;5-MeC27	0.022	0.023	0.929	7.023	3.857	0.002	**

3-MeC25	0.021	0.015	1.389	8.479	8.279	0.520	n.s.
12-;10-MeC26	0.008	0.005	1.575	3.553	2.308	0.592	n.s.
n-C25	0.007	0.009	0.843	1.436	1.959	0.922	n.s.

Table S5: Pairwise comparisons considering the chemical compounds of each group of sample (CHC, eggs or *Dufour*'s gland) and each group of female (queen, workers treated with methoprene, workers treated with precoceneand workers treated with acetone) in *Vespula germanica*. ace = acetone, met = methoprene, pre = precocene, chc = cuticular hydrocarbons, dg = *Dufour*'s gland, padj = p value adjusted. All the values highlighted in red correspond to significant values $p < 0.05$*.

compound	contrast	estimate	SE	df	t.ratio	p.value	padj
C25.1	ace_chc - ace_dg	5.321	0.349	229.0	15.248	0.000	0.000
C25.1	ace_chc - ace_egg	5.321	0.370	229.0	14.376	0.000	0.000
C25.1	ace_chc - met_chc	-2.072	0.365	229.0	-5.673	0.000	0.000
C25.1	ace_chc - met_dg	5.321	0.403	229.0	13.205	0.000	0.000
C25.1	ace_chc - met_egg	5.321	0.356	229.0	14.927	0.000	0.000
C25.1	ace_chc - pre_chc	-0.349	0.349	229.0	-0.999	0.319	1.000
C25.1	ace_chc - pre_dg	5.321	0.353	229.0	15.091	0.000	0.000
C25.1	ace_chc - pre_egg	5.321	0.353	229.0	15.092	0.000	0.000
C25.1	ace_chc - queen_chc	-1.323	0.664	229.0	-1.992	0.048	1.000
C25.1	ace_chc - queen_dg	5.321	0.501	229.0	10.617	0.000	0.000
C25.1	ace_chc - queen_egg	5.321	0.342	229.0	15.539	0.000	0.000
C25.1	ace_dg - ace_egg	0.000	0.370	229.0	0.000	1.000	1.000
C25.1	ace_dg - met_chc	-7.393	0.365	229.0	-20.243	0.000	0.000
C25.1	ace_dg - met_dg	0.000	0.403	229.0	-0.001	1.000	1.000
C25.1	ace_dg - met_egg	0.000	0.356	229.0	0.000	1.000	1.000
C25.1	ace_dg - pre_chc	-5.670	0.349	229.0	-16.247	0.000	0.000
C25.1	ace_dg - pre_dg	0.000	0.353	229.0	0.000	1.000	1.000
C25.1	ace_dg - pre_egg	0.000	0.353	229.0	0.000	1.000	1.000
C25.1	ace_dg - queen_chc	-6.644	0.664	229.0	-10.000	0.000	0.000
C25.1	ace_dg - queen_dg	0.000	0.501	229.0	0.000	1.000	1.000
C25.1	ace_dg - queen_egg	0.000	0.342	229.0	0.000	1.000	1.000
C25.1	ace_egg - met_chc	-7.393	0.385	229.0	-19.179	0.000	0.000
C25.1	ace_egg - met_dg	0.000	0.421	229.0	-0.001	0.999	1.000
C25.1	ace_egg - met_egg	0.000	0.377	229.0	0.000	1.000	1.000
C25.1	ace_egg - pre_chc	-5.670	0.370	229.0	-15.318	0.000	0.000
C25.1	ace_egg - pre_dg	0.000	0.374	229.0	0.000	1.000	1.000
C25.1	ace_egg - pre_egg	0.000	0.374	229.0	0.000	1.000	1.000
C25.1	ace_egg - queen_chc	-6.645	0.676	229.0	-9.832	0.000	0.000
C25.1	ace_egg - queen_dg	0.000	0.516	229.0	-0.001	0.999	1.000
C25.1	ace_egg - queen_egg	0.000	0.364	229.0	0.000	1.000	1.000
C25.1	met_chc - met_dg	7.393	0.417	229.0	17.724	0.000	0.000
C25.1	met_chc - met_egg	7.393	0.372	229.0	19.853	0.000	0.000
C25.1	met_chc - pre_chc	1.723	0.365	229.0	4.719	0.000	0.012
C25.1	met_chc - pre_dg	7.393	0.369	229.0	20.053	0.000	0.000
C25.1	met_chc - pre_egg	7.393	0.369	229.0	20.053	0.000	0.000
C25.1	met_chc - queen_chc	0.748	0.673	229.0	1.112	0.267	1.000
C25.1	met_chc - queen_dg	7.393	0.513	229.0	14.422	0.000	0.000
C25.1	met_chc - queen_egg	7.393	0.359	229.0	20.595	0.000	0.000
C25.1	met_dg - met_egg	0.000	0.409	229.0	0.001	0.999	1.000
C25.1	met_dg - pre_chc	-5.669	0.403	229.0	-14.070	0.000	0.000
C25.1	met_dg - pre_dg	0.000	0.406	229.0	0.000	1.000	1.000
C25.1	met_dg - pre_egg	0.000	0.406	229.0	0.001	1.000	1.000
C25.1	met_dg - queen_chc	-6.644	0.694	229.0	-9.570	0.000	0.000
C25.1	met_dg - queen_dg	0.000	0.540	229.0	0.000	1.000	1.000
C25.1	met_dg - queen_egg	0.000	0.397	229.0	0.001	0.999	1.000
C25.1	met_egg - pre_chc	-5.670	0.356	229.0	-15.905	0.000	0.000
C25.1	met_egg - pre_dg	0.000	0.360	229.0	0.000	1.000	1.000
C25.1	met_egg - pre_egg	0.000	0.360	229.0	0.000	1.000	1.000
C25.1	met_egg - queen_chc	-6.644	0.668	229.0	-9.941	0.000	0.000
C25.1	met_egg - queen_dg	0.000	0.506	229.0	-0.001	1.000	1.000
C25.1	met_egg - queen_egg	0.000	0.350	229.0	0.000	1.000	1.000

C25.1	pre_chc - pre_dg	5.670	0.353	229.0	16.080	0.000	0.000
C25.1	pre_chc - pre_egg	5.670	0.353	229.0	16.080	0.000	0.000
C25.1	pre_chc - queen_chc	-0.975	0.664	229.0	-1.467	0.144	1.000
C25.1	pre_chc - queen_dg	5.669	0.501	229.0	11.312	0.000	0.000
C25.1	pre_chc - queen_egg	5.670	0.342	229.0	16.557	0.000	0.000
C25.1	pre_dg - pre_egg	0.000	0.356	229.0	0.000	1.000	1.000
C25.1	pre_dg - queen_chc	-6.644	0.666	229.0	-9.972	0.000	0.000
C25.1	pre_dg - queen_dg	0.000	0.504	229.0	0.000	1.000	1.000
C25.1	pre_dg - queen_egg	0.000	0.346	229.0	0.000	1.000	1.000
C25.1	pre_egg - queen_chc	-6.644	0.666	229.0	-9.972	0.000	0.000
C25.1	pre_egg - queen_dg	0.000	0.504	229.0	0.000	1.000	1.000
C25.1	pre_egg - queen_egg	0.000	0.346	229.0	0.000	1.000	1.000
C25.1	queen_chc - queen_dg	6.644	0.756	229.0	8.794	0.000	0.000
C25.1	queen_chc - queen_egg	6.644	0.661	229.0	10.052	0.000	0.000
C25.1	queen_dg - queen_egg	0.000	0.497	229.0	0.001	0.999	1.000
C25.1.2	ace_chc - ace_dg	0.000	0.538	229.0	0.001	0.999	1.000
C25.1.2	ace_chc - ace_egg	-5.555	0.570	229.0	-9.741	0.000	0.000
C25.1.2	ace_chc - met_chc	0.000	0.563	229.0	0.000	1.000	1.000
C25.1.2	ace_chc - met_dg	0.000	0.621	229.0	0.000	1.000	1.000
C25.1.2	ace_chc - met_egg	-7.127	0.549	229.0	-12.977	0.000	0.000
C25.1.2	ace_chc - pre_chc	0.000	0.538	229.0	0.000	1.000	1.000
C25.1.2	ace_chc - pre_dg	0.000	0.543	229.0	0.001	0.999	1.000
C25.1.2	ace_chc - pre_egg	-6.428	0.543	229.0	-11.834	0.000	0.000
C25.1.2	ace_chc - queen_chc	0.000	1.024	229.0	0.000	1.000	1.000
C25.1.2	ace_chc - queen_dg	0.000	0.772	229.0	0.000	1.000	1.000
C25.1.2	ace_chc - queen_egg	-7.203	0.528	229.0	-13.653	0.000	0.000
C25.1.2	ace_dg - ace_egg	-5.555	0.570	229.0	-9.742	0.000	0.000
C25.1.2	ace_dg - met_chc	0.000	0.563	229.0	-0.001	0.999	1.000
C25.1.2	ace_dg - met_dg	0.000	0.621	229.0	0.000	1.000	1.000
C25.1.2	ace_dg - met_egg	-7.127	0.549	229.0	-12.978	0.000	0.000
C25.1.2	ace_dg - pre_chc	0.000	0.538	229.0	-0.001	0.999	1.000
C25.1.2	ace_dg - pre_dg	0.000	0.543	229.0	0.000	1.000	1.000
C25.1.2	ace_dg - pre_egg	-6.429	0.543	229.0	-11.835	0.000	0.000
C25.1.2	ace_dg - queen_chc	-0.001	1.024	229.0	-0.001	1.000	1.000
C25.1.2	ace_dg - queen_dg	0.000	0.772	229.0	0.000	1.000	1.000
C25.1.2	ace_dg - queen_egg	-7.203	0.528	229.0	-13.654	0.000	0.000
C25.1.2	ace_egg - met_chc	5.555	0.594	229.0	9.354	0.000	0.000
C25.1.2	ace_egg - met_dg	5.555	0.649	229.0	8.556	0.000	0.000
C25.1.2	ace_egg - met_egg	-1.572	0.581	229.0	-2.705	0.007	1.000
C25.1.2	ace_egg - pre_chc	5.555	0.570	229.0	9.741	0.000	0.000
C25.1.2	ace_egg - pre_dg	5.555	0.575	229.0	9.653	0.000	0.000
C25.1.2	ace_egg - pre_egg	-0.873	0.575	229.0	-1.517	0.131	1.000
C25.1.2	ace_egg - queen_chc	5.555	1.041	229.0	5.335	0.000	0.001
C25.1.2	ace_egg - queen_dg	5.555	0.795	229.0	6.986	0.000	0.000
C25.1.2	ace_egg - queen_egg	-1.648	0.561	229.0	-2.939	0.004	1.000
C25.1.2	met_chc - met_dg	0.000	0.643	229.0	0.000	1.000	1.000
C25.1.2	met_chc - met_egg	-7.127	0.574	229.0	-12.423	0.000	0.000
C25.1.2	met_chc - pre_chc	0.000	0.563	229.0	0.000	1.000	1.000
C25.1.2	met_chc - pre_dg	0.000	0.568	229.0	0.001	1.000	1.000
C25.1.2	met_chc - pre_egg	-6.428	0.568	229.0	-11.318	0.000	0.000
C25.1.2	met_chc - queen_chc	0.000	1.037	229.0	0.000	1.000	1.000
C25.1.2	met_chc - queen_dg	0.000	0.790	229.0	0.000	1.000	1.000
C25.1.2	met_chc - queen_egg	-7.203	0.553	229.0	-13.024	0.000	0.000
C25.1.2	met_dg - met_egg	-7.127	0.631	229.0	-11.298	0.000	0.000
C25.1.2	met_dg - pre_chc	0.000	0.621	229.0	0.000	1.000	1.000
C25.1.2	met_dg - pre_dg	0.000	0.626	229.0	0.000	1.000	1.000
C25.1.2	met_dg - pre_egg	-6.428	0.626	229.0	-10.275	0.000	0.000
C25.1.2	met_dg - queen_chc	0.000	1.070	229.0	0.000	1.000	1.000
C25.1.2	met_dg - queen_dg	0.000	0.832	229.0	0.000	1.000	1.000
C25.1.2	met_dg - queen_egg	-7.203	0.612	229.0	-11.768	0.000	0.000
C25.1.2	met_egg - pre_chc	7.127	0.549	229.0	12.977	0.000	0.000
C25.1.2	met_egg - pre_dg	7.127	0.555	229.0	12.850	0.000	0.000
C25.1.2	met_egg - pre_egg	0.699	0.555	229.0	1.260	0.209	1.000
C25.1.2	met_egg - queen_chc	7.127	1.030	229.0	6.921	0.000	0.000

C25.1.2	met_egg - queen_dg	7.127	0.780	229.0	9.135	0.000	0.000
C25.1.2	met_egg - queen_egg	-0.076	0.539	229.0	-0.141	0.888	1.000
C25.1.2	pre_chc - pre_dg	0.000	0.543	229.0	0.001	0.999	1.000
C25.1.2	pre_chc - pre_egg	-6.428	0.543	229.0	-11.834	0.000	0.000
C25.1.2	pre_chc - queen_chc	0.000	1.024	229.0	0.000	1.000	1.000
C25.1.2	pre_chc - queen_dg	0.000	0.772	229.0	0.000	1.000	1.000
C25.1.2	pre_chc - queen_egg	-7.203	0.528	229.0	-13.653	0.000	0.000
C25.1.2	pre_dg - pre_egg	-6.428	0.549	229.0	-11.716	0.000	0.000
C25.1.2	pre_dg - queen_chc	0.000	1.027	229.0	0.000	1.000	1.000
C25.1.2	pre_dg - queen_dg	0.000	0.776	229.0	0.000	1.000	1.000
C25.1.2	pre_dg - queen_egg	-7.203	0.533	229.0	-13.508	0.000	0.000
C25.1.2	pre_egg - queen_chc	6.428	1.027	229.0	6.262	0.000	0.000
C25.1.2	pre_egg - queen_dg	6.428	0.776	229.0	8.284	0.000	0.000
C25.1.2	pre_egg - queen_egg	-0.775	0.533	229.0	-1.453	0.148	1.000
C25.1.2	queen_chc - queen_dg	0.000	1.164	229.0	0.000	1.000	1.000
C25.1.2	queen_chc - queen_egg	-7.203	1.018	229.0	-7.073	0.000	0.000
C25.1.2	queen_dg - queen_egg	-7.203	0.765	229.0	-9.414	0.000	0.000
C27.1	ace_chc - ace_dg	-3.614	0.640	229.0	-5.646	0.000	0.000
C27.1	ace_chc - ace_egg	0.001	0.679	229.0	0.001	0.999	1.000
C27.1	ace_chc - met_chc	0.000	0.670	229.0	0.000	1.000	1.000
C27.1	ace_chc - met_dg	-1.816	0.739	229.0	-2.457	0.015	1.000
C27.1	ace_chc - met_egg	0.000	0.654	229.0	0.001	0.999	1.000
C27.1	ace_chc - pre_chc	0.000	0.640	229.0	0.000	1.000	1.000
C27.1	ace_chc - pre_dg	-2.517	0.647	229.0	-3.892	0.000	0.379
C27.1	ace_chc - pre_egg	0.000	0.647	229.0	0.001	0.999	1.000
C27.1	ace_chc - queen_chc	0.000	1.219	229.0	0.000	1.000	1.000
C27.1	ace_chc - queen_dg	-10.484	0.919	229.0	-11.405	0.000	0.000
C27.1	ace_chc - queen_egg	0.001	0.628	229.0	0.001	0.999	1.000
C27.1	ace_dg - ace_egg	3.614	0.679	229.0	5.323	0.000	0.001
C27.1	ace_dg - met_chc	3.614	0.670	229.0	5.395	0.000	0.000
C27.1	ace_dg - met_dg	1.797	0.739	229.0	2.432	0.016	1.000
C27.1	ace_dg - met_egg	3.614	0.654	229.0	5.527	0.000	0.000
C27.1	ace_dg - pre_chc	3.614	0.640	229.0	5.646	0.000	0.000
C27.1	ace_dg - pre_dg	1.097	0.647	229.0	1.696	0.091	1.000
C27.1	ace_dg - pre_egg	3.614	0.647	229.0	5.588	0.000	0.000
C27.1	ace_dg - queen_chc	3.613	1.219	229.0	2.965	0.003	1.000
C27.1	ace_dg - queen_dg	-6.871	0.919	229.0	-7.474	0.000	0.000
C27.1	ace_dg - queen_egg	3.614	0.628	229.0	5.754	0.000	0.000
C27.1	ace_egg - met_chc	-0.001	0.707	229.0	-0.001	0.999	1.000
C27.1	ace_egg - met_dg	-1.817	0.773	229.0	-2.350	0.020	1.000
C27.1	ace_egg - met_egg	0.000	0.692	229.0	0.000	1.000	1.000
C27.1	ace_egg - pre_chc	-0.001	0.679	229.0	-0.001	0.999	1.000
C27.1	ace_egg - pre_dg	-2.517	0.685	229.0	-3.674	0.000	0.864
C27.1	ace_egg - pre_egg	0.000	0.685	229.0	0.000	1.000	1.000
C27.1	ace_egg - queen_chc	-0.001	1.239	229.0	-0.001	1.000	1.000
C27.1	ace_egg - queen_dg	-10.485	0.947	229.0	-11.075	0.000	0.000
C27.1	ace_egg - queen_egg	0.000	0.668	229.0	0.000	1.000	1.000
C27.1	met_chc - met_dg	-1.816	0.765	229.0	-2.374	0.018	1.000
C27.1	met_chc - met_egg	0.000	0.683	229.0	0.001	0.999	1.000
C27.1	met_chc - pre_chc	0.000	0.670	229.0	0.000	1.000	1.000
C27.1	met_chc - pre_dg	-2.517	0.676	229.0	-3.722	0.000	0.723
C27.1	met_chc - pre_egg	0.000	0.676	229.0	0.001	1.000	1.000
C27.1	met_chc - queen_chc	0.000	1.235	229.0	0.000	1.000	1.000
C27.1	met_chc - queen_dg	-10.484	0.940	229.0	-11.151	0.000	0.000
C27.1	met_chc - queen_egg	0.001	0.658	229.0	0.001	0.999	1.000
C27.1	met_dg - met_egg	1.817	0.751	229.0	2.419	0.016	1.000
C27.1	met_dg - pre_chc	1.816	0.739	229.0	2.457	0.015	1.000
C27.1	met_dg - pre_dg	-0.701	0.745	229.0	-0.941	0.348	1.000
C27.1	met_dg - pre_egg	1.817	0.745	229.0	2.439	0.015	1.000
C27.1	met_dg - queen_chc	1.816	1.273	229.0	1.426	0.155	1.000
C27.1	met_dg - queen_dg	-8.668	0.991	229.0	-8.749	0.000	0.000
C27.1	met_dg - queen_egg	1.817	0.729	229.0	2.493	0.013	1.000
C27.1	met_egg - pre_chc	-0.001	0.654	229.0	-0.001	0.999	1.000
C27.1	met_egg - pre_dg	-2.517	0.660	229.0	-3.812	0.000	0.515

C27.1	met_egg - pre_egg	0.000	0.660	229.0	0.000	1.000	1.000
C27.1	met_egg - queen_chc	-0.001	1.226	229.0	0.000	1.000	1.000
C27.1	met_egg - queen_dg	-10.485	0.929	229.0	-11.288	0.000	0.000
C27.1	met_egg - queen_egg	0.000	0.642	229.0	0.000	1.000	1.000
C27.1	pre_chc - pre_dg	-2.517	0.647	229.0	-3.892	0.000	0.379
C27.1	pre_chc - pre_egg	0.000	0.647	229.0	0.001	0.999	1.000
C27.1	pre_chc - queen_chc	0.000	1.219	229.0	0.000	1.000	1.000
C27.1	pre_chc - queen_dg	-10.484	0.919	229.0	-11.405	0.000	0.000
C27.1	pre_chc - queen_egg	0.001	0.628	229.0	0.001	0.999	1.000
C27.1	pre_dg - pre_egg	2.517	0.653	229.0	3.853	0.000	0.440
C27.1	pre_dg - queen_chc	2.517	1.222	229.0	2.059	0.041	1.000
C27.1	pre_dg - queen_dg	-7.968	0.924	229.0	-8.624	0.000	0.000
C27.1	pre_dg - queen_egg	2.517	0.635	229.0	3.965	0.000	0.285
C27.1	pre_egg - queen_chc	-0.001	1.222	229.0	0.000	1.000	1.000
C27.1	pre_egg - queen_dg	-10.485	0.924	229.0	-11.349	0.000	0.000
C27.1	pre_egg - queen_egg	0.000	0.635	229.0	0.000	1.000	1.000
C27.1	queen_chc - queen_dg	-10.484	1.386	229.0	-7.565	0.000	0.000
C27.1	queen_chc - queen_egg	0.001	1.212	229.0	0.001	1.000	1.000
C27.1	queen_dg - queen_egg	10.485	0.911	229.0	11.510	0.000	0.000
C27.1and.3.MeC26	ace_chc - ace_dg	10.093	0.139	229.0	72.370	0.000	0.000
C27.1and.3.MeC26	ace_chc - ace_egg	0.451	0.148	229.0	3.046	0.003	1.000
C27.1and.3.MeC26	ace_chc - met_chc	-0.511	0.146	229.0	-3.503	0.001	1.000
C27.1and.3.MeC26	ace_chc - met_dg	10.093	0.161	229.0	62.673	0.000	0.000
C27.1and.3.MeC26	ace_chc - met_egg	0.059	0.142	229.0	0.415	0.679	1.000
C27.1and.3.MeC26	ace_chc - pre_chc	-0.338	0.139	229.0	-2.426	0.016	1.000
C27.1and.3.MeC26	ace_chc - pre_dg	10.093	0.141	229.0	71.627	0.000	0.000
C27.1and.3.MeC26	ace_chc - pre_egg	0.159	0.141	229.0	1.126	0.261	1.000
C27.1and.3.MeC26	ace_chc - queen_chc	0.472	0.266	229.0	1.778	0.077	1.000
C27.1and.3.MeC26	ace_chc - queen_dg	10.093	0.200	229.0	50.391	0.000	0.000
C27.1and.3.MeC26	ace_chc - queen_egg	0.037	0.137	229.0	0.269	0.788	1.000
C27.1and.3.MeC26	ace_dg - ace_egg	-9.642	0.148	229.0	-65.185	0.000	0.000
C27.1and.3.MeC26	ace_dg - met_chc	-10.604	0.146	229.0	-72.655	0.000	0.000
C27.1and.3.MeC26	ace_dg - met_dg	0.000	0.161	229.0	-0.001	0.999	1.000
C27.1and.3.MeC26	ace_dg - met_egg	-10.034	0.142	229.0	-70.432	0.000	0.000
C27.1and.3.MeC26	ace_dg - pre_chc	-10.431	0.139	229.0	-74.796	0.000	0.000
C27.1and.3.MeC26	ace_dg - pre_dg	0.000	0.141	229.0	-0.001	1.000	1.000
C27.1and.3.MeC26	ace_dg - pre_egg	-9.934	0.141	229.0	-70.501	0.000	0.000
C27.1and.3.MeC26	ace_dg - queen_chc	-9.621	0.266	229.0	-36.233	0.000	0.000
C27.1and.3.MeC26	ace_dg - queen_dg	0.000	0.200	229.0	-0.001	0.999	1.000
C27.1and.3.MeC26	ace_dg - queen_egg	-10.056	0.137	229.0	-73.480	0.000	0.000
C27.1and.3.MeC26	ace_egg - met_chc	-0.962	0.154	229.0	-6.244	0.000	0.000
C27.1and.3.MeC26	ace_egg - met_dg	9.642	0.168	229.0	57.251	0.000	0.000
C27.1and.3.MeC26	ace_egg - met_egg	-0.392	0.151	229.0	-2.597	0.010	1.000
C27.1and.3.MeC26	ace_egg - pre_chc	-0.789	0.148	229.0	-5.333	0.000	0.001
C27.1and.3.MeC26	ace_egg - pre_dg	9.642	0.149	229.0	64.589	0.000	0.000
C27.1and.3.MeC26	ace_egg - pre_egg	-0.292	0.149	229.0	-1.955	0.052	1.000
C27.1and.3.MeC26	ace_egg - queen_chc	0.021	0.270	229.0	0.079	0.937	1.000
C27.1and.3.MeC26	ace_egg - queen_dg	9.642	0.206	229.0	46.745	0.000	0.000
C27.1and.3.MeC26	ace_egg - queen_egg	-0.414	0.145	229.0	-2.845	0.005	1.000
C27.1and.3.MeC26	met_chc - met_dg	10.604	0.167	229.0	63.615	0.000	0.000
C27.1and.3.MeC26	met_chc - met_egg	0.570	0.149	229.0	3.832	0.000	0.477
C27.1and.3.MeC26	met_chc - pre_chc	0.173	0.146	229.0	1.185	0.237	1.000
C27.1and.3.MeC26	met_chc - pre_dg	10.604	0.147	229.0	71.973	0.000	0.000
C27.1and.3.MeC26	met_chc - pre_egg	0.670	0.147	229.0	4.547	0.000	0.026
C27.1and.3.MeC26	met_chc - queen_chc	0.983	0.269	229.0	3.655	0.000	0.925
C27.1and.3.MeC26	met_chc - queen_dg	10.604	0.205	229.0	51.762	0.000	0.000
C27.1and.3.MeC26	met_chc - queen_egg	0.548	0.143	229.0	3.820	0.000	0.499
C27.1and.3.MeC26	met_dg - met_egg	-10.034	0.164	229.0	-61.315	0.000	0.000
C27.1and.3.MeC26	met_dg - pre_chc	-10.431	0.161	229.0	-64.774	0.000	0.000
C27.1and.3.MeC26	met_dg - pre_dg	0.000	0.162	229.0	0.001	0.999	1.000
C27.1and.3.MeC26	met_dg - pre_egg	-9.934	0.162	229.0	-61.211	0.000	0.000
C27.1and.3.MeC26	met_dg - queen_chc	-9.621	0.277	229.0	-34.673	0.000	0.000
C27.1and.3.MeC26	met_dg - queen_dg	0.000	0.216	229.0	0.000	1.000	1.000
C27.1and.3.MeC26	met_dg - queen_egg	-10.056	0.159	229.0	-63.330	0.000	0.000

C27.1and.3.MeC26	met_egg - pre_chc	-0.397	0.142	229.0	-2.789	0.006	1.000
C27.1and.3.MeC26	met_egg - pre_dg	10.034	0.144	229.0	69.739	0.000	0.000
C27.1and.3.MeC26	met_egg - pre_egg	0.100	0.144	229.0	0.693	0.489	1.000
C27.1and.3.MeC26	met_egg - queen_chc	0.413	0.267	229.0	1.546	0.124	1.000
C27.1and.3.MeC26	met_egg - queen_dg	10.034	0.202	229.0	49.576	0.000	0.000
C27.1and.3.MeC26	met_egg - queen_egg	-0.022	0.140	229.0	-0.159	0.874	1.000
C27.1and.3.MeC26	pre_chc - pre_dg	10.431	0.141	229.0	74.028	0.000	0.000
C27.1and.3.MeC26	pre_chc - pre_egg	0.497	0.141	229.0	3.527	0.001	1.000
C27.1and.3.MeC26	pre_chc - queen_chc	0.810	0.266	229.0	3.051	0.003	1.000
C27.1and.3.MeC26	pre_chc - queen_dg	10.431	0.200	229.0	52.080	0.000	0.000
C27.1and.3.MeC26	pre_chc - queen_egg	0.375	0.137	229.0	2.741	0.007	1.000
C27.1and.3.MeC26	pre_dg - pre_egg	-9.934	0.142	229.0	-69.792	0.000	0.000
C27.1and.3.MeC26	pre_dg - queen_chc	-9.621	0.266	229.0	-36.129	0.000	0.000
C27.1and.3.MeC26	pre_dg - queen_dg	0.000	0.201	229.0	-0.001	0.999	1.000
C27.1and.3.MeC26	pre_dg - queen_egg	-10.056	0.138	229.0	-72.697	0.000	0.000
C27.1and.3.MeC26	pre_egg - queen_chc	0.313	0.266	229.0	1.176	0.241	1.000
C27.1and.3.MeC26	pre_egg - queen_dg	9.934	0.201	229.0	49.350	0.000	0.000
C27.1and.3.MeC26	pre_egg - queen_egg	-0.122	0.138	229.0	-0.881	0.379	1.000
C27.1and.3.MeC26	queen_chc - queen_dg	9.621	0.302	229.0	31.862	0.000	0.000
C27.1and.3.MeC26	queen_chc - queen_egg	-0.435	0.264	229.0	-1.647	0.101	1.000
C27.1and.3.MeC26	queen_dg - queen_egg	-10.056	0.198	229.0	-50.664	0.000	0.000
C29.1	ace_chc - ace_dg	8.668	0.085	229.0	101.475	0.000	0.000
C29.1	ace_chc - ace_egg	8.668	0.091	229.0	95.673	0.000	0.000
C29.1	ace_chc - met_chc	-0.322	0.089	229.0	-3.597	0.000	1.000
C29.1	ace_chc - met_dg	8.668	0.099	229.0	87.877	0.000	0.000
C29.1	ace_chc - met_egg	8.668	0.087	229.0	99.339	0.000	0.000
C29.1	ace_chc - pre_chc	-0.192	0.085	229.0	-2.248	0.026	1.000
C29.1	ace_chc - pre_dg	8.668	0.086	229.0	100.433	0.000	0.000
C29.1	ace_chc - pre_egg	8.668	0.086	229.0	100.434	0.000	0.000
C29.1	ace_chc - queen_chc	0.346	0.163	229.0	2.125	0.035	1.000
C29.1	ace_chc - queen_dg	8.668	0.123	229.0	70.656	0.000	0.000
C29.1	ace_chc - queen_egg	8.668	0.084	229.0	103.409	0.000	0.000
C29.1	ace_dg - ace_egg	0.000	0.091	229.0	0.001	0.999	1.000
C29.1	ace_dg - met_chc	-8.990	0.089	229.0	-100.559	0.000	0.000
C29.1	ace_dg - met_dg	0.000	0.099	229.0	-0.002	0.998	1.000
C29.1	ace_dg - met_egg	0.000	0.087	229.0	0.000	1.000	1.000
C29.1	ace_dg - pre_chc	-8.860	0.085	229.0	-103.723	0.000	0.000
C29.1	ace_dg - pre_dg	0.000	0.086	229.0	-0.001	0.999	1.000
C29.1	ace_dg - pre_egg	0.000	0.086	229.0	0.000	1.000	1.000
C29.1	ace_dg - queen_chc	-8.323	0.163	229.0	-51.172	0.000	0.000
C29.1	ace_dg - queen_dg	0.000	0.123	229.0	-0.002	0.998	1.000
C29.1	ace_dg - queen_egg	0.000	0.084	229.0	0.001	0.999	1.000
C29.1	ace_egg - met_chc	-8.990	0.094	229.0	-95.271	0.000	0.000
C29.1	ace_egg - met_dg	0.000	0.103	229.0	-0.003	0.997	1.000
C29.1	ace_egg - met_egg	0.000	0.092	229.0	-0.001	0.999	1.000
C29.1	ace_egg - pre_chc	-8.860	0.091	229.0	-97.792	0.000	0.000
C29.1	ace_egg - pre_dg	0.000	0.091	229.0	-0.002	0.998	1.000
C29.1	ace_egg - pre_egg	0.000	0.091	229.0	-0.001	0.999	1.000
C29.1	ace_egg - queen_chc	-8.323	0.165	229.0	-50.313	0.000	0.000
C29.1	ace_egg - queen_dg	0.000	0.126	229.0	-0.003	0.998	1.000
C29.1	ace_egg - queen_egg	0.000	0.089	229.0	0.000	1.000	1.000
C29.1	met_chc - met_dg	8.990	0.102	229.0	88.047	0.000	0.000
C29.1	met_chc - met_egg	8.990	0.091	229.0	98.621	0.000	0.000
C29.1	met_chc - pre_chc	0.130	0.089	229.0	1.449	0.149	1.000
C29.1	met_chc - pre_dg	8.990	0.090	229.0	99.615	0.000	0.000
C29.1	met_chc - pre_egg	8.990	0.090	229.0	99.616	0.000	0.000
C29.1	met_chc - queen_chc	0.667	0.165	229.0	4.049	0.000	0.204
C29.1	met_chc - queen_dg	8.990	0.125	229.0	71.642	0.000	0.000
C29.1	met_chc - queen_egg	8.990	0.088	229.0	102.305	0.000	0.000
C29.1	met_dg - met_egg	0.000	0.100	229.0	0.003	0.998	1.000
C29.1	met_dg - pre_chc	-8.860	0.099	229.0	-89.824	0.000	0.000
C29.1	met_dg - pre_dg	0.000	0.099	229.0	0.002	0.999	1.000
C29.1	met_dg - pre_egg	0.000	0.099	229.0	0.002	0.998	1.000

C29.1	met_dg - queen_chc	-8.323	0.170	229.0	-48.969	0.000	0.000
C29.1	met_dg - queen_dg	0.000	0.132	229.0	0.000	1.000	1.000
C29.1	met_dg - queen_egg	0.000	0.097	229.0	0.003	0.997	1.000
C29.1	met_egg - pre_chc	-8.860	0.087	229.0	-101.539	0.000	0.000
C29.1	met_egg - pre_dg	0.000	0.088	229.0	-0.001	0.999	1.000
C29.1	met_egg - pre_egg	0.000	0.088	229.0	-0.001	1.000	1.000
C29.1	met_egg - queen_chc	-8.323	0.164	229.0	-50.868	0.000	0.000
C29.1	met_egg - queen_dg	0.000	0.124	229.0	-0.002	0.998	1.000
C29.1	met_egg - queen_egg	0.000	0.086	229.0	0.001	0.999	1.000
C29.1	pre_chc - pre_dg	8.860	0.086	229.0	102.658	0.000	0.000
C29.1	pre_chc - pre_egg	8.860	0.086	229.0	102.659	0.000	0.000
C29.1	pre_chc - queen_chc	0.538	0.163	229.0	3.305	0.001	1.000
C29.1	pre_chc - queen_dg	8.860	0.123	229.0	72.221	0.000	0.000
C29.1	pre_chc - queen_egg	8.860	0.084	229.0	105.700	0.000	0.000
C29.1	pre_dg - pre_egg	0.000	0.087	229.0	0.001	0.999	1.000
C29.1	pre_dg - queen_chc	-8.323	0.163	229.0	-51.025	0.000	0.000
C29.1	pre_dg - queen_dg	0.000	0.123	229.0	-0.001	0.999	1.000
C29.1	pre_dg - queen_egg	0.000	0.085	229.0	0.002	0.998	1.000
C29.1	pre_egg - queen_chc	-8.323	0.163	229.0	-51.026	0.000	0.000
C29.1	pre_egg - queen_dg	0.000	0.123	229.0	-0.002	0.999	1.000
C29.1	pre_egg - queen_egg	0.000	0.085	229.0	0.001	0.999	1.000
C29.1	queen_chc - queen_dg	8.323	0.185	229.0	44.999	0.000	0.000
C29.1	queen_chc - queen_egg	8.323	0.162	229.0	51.436	0.000	0.000
C29.1	queen_dg - queen_egg	0.000	0.122	229.0	0.003	0.998	1.000
C29.1.2	ace_chc - ace_dg	0.000	0.194	229.0	0.002	0.998	1.000
C29.1.2	ace_chc - ace_egg	-9.332	0.206	229.0	-45.368	0.000	0.000
C29.1.2	ace_chc - met_chc	0.000	0.203	229.0	0.000	1.000	1.000
C29.1.2	ace_chc - met_dg	0.000	0.224	229.0	0.001	0.999	1.000
C29.1.2	ace_chc - met_egg	-9.607	0.198	229.0	-48.492	0.000	0.000
C29.1.2	ace_chc - pre_chc	0.000	0.194	229.0	0.000	1.000	1.000
C29.1.2	ace_chc - pre_dg	0.000	0.196	229.0	0.002	0.999	1.000
C29.1.2	ace_chc - pre_egg	-9.461	0.196	229.0	-48.282	0.000	0.000
C29.1.2	ace_chc - queen_chc	0.000	0.369	229.0	0.000	1.000	1.000
C29.1.2	ace_chc - queen_dg	0.000	0.279	229.0	0.001	0.999	1.000
C29.1.2	ace_chc - queen_egg	-9.129	0.190	229.0	-47.967	0.000	0.000
C29.1.2	ace_dg - ace_egg	-9.333	0.206	229.0	-45.370	0.000	0.000
C29.1.2	ace_dg - met_chc	0.000	0.203	229.0	-0.002	0.998	1.000
C29.1.2	ace_dg - met_dg	0.000	0.224	229.0	-0.001	0.999	1.000
C29.1.2	ace_dg - met_egg	-9.607	0.198	229.0	-48.494	0.000	0.000
C29.1.2	ace_dg - pre_chc	0.000	0.194	229.0	-0.002	0.998	1.000
C29.1.2	ace_dg - pre_dg	0.000	0.196	229.0	0.000	1.000	1.000
C29.1.2	ace_dg - pre_egg	-9.461	0.196	229.0	-48.284	0.000	0.000
C29.1.2	ace_dg - queen_chc	-0.001	0.369	229.0	-0.001	0.999	1.000
C29.1.2	ace_dg - queen_dg	0.000	0.279	229.0	-0.001	0.999	1.000
C29.1.2	ace_dg - queen_egg	-9.129	0.190	229.0	-47.969	0.000	0.000
C29.1.2	ace_egg - met_chc	9.332	0.214	229.0	43.562	0.000	0.000
C29.1.2	ace_egg - met_dg	9.332	0.234	229.0	39.848	0.000	0.000
C29.1.2	ace_egg - met_egg	-0.274	0.210	229.0	-1.309	0.192	1.000
C29.1.2	ace_egg - pre_chc	9.332	0.206	229.0	45.368	0.000	0.000
C29.1.2	ace_egg - pre_dg	9.333	0.208	229.0	44.956	0.000	0.000
C29.1.2	ace_egg - pre_egg	-0.128	0.208	229.0	-0.619	0.537	1.000
C29.1.2	ace_egg - queen_chc	9.332	0.376	229.0	24.849	0.000	0.000
C29.1.2	ace_egg - queen_dg	9.332	0.287	229.0	32.536	0.000	0.000
C29.1.2	ace_egg - queen_egg	0.204	0.202	229.0	1.007	0.315	1.000
C29.1.2	met_chc - met_dg	0.000	0.232	229.0	0.001	0.999	1.000
C29.1.2	met_chc - met_egg	-9.607	0.207	229.0	-46.420	0.000	0.000
C29.1.2	met_chc - pre_chc	0.000	0.203	229.0	0.000	1.000	1.000
C29.1.2	met_chc - pre_dg	0.000	0.205	229.0	0.002	0.999	1.000
C29.1.2	met_chc - pre_egg	-9.461	0.205	229.0	-46.176	0.000	0.000
C29.1.2	met_chc - queen_chc	0.000	0.374	229.0	0.000	1.000	1.000
C29.1.2	met_chc - queen_dg	0.000	0.285	229.0	0.001	0.999	1.000
C29.1.2	met_chc - queen_egg	-9.129	0.199	229.0	-45.758	0.000	0.000
C29.1.2	met_dg - met_egg	-9.607	0.228	229.0	-42.217	0.000	0.000

C29.1.2	met_dg - pre_chc	0.000	0.224	229.0	-0.001	0.999	1.000
C29.1.2	met_dg - pre_dg	0.000	0.226	229.0	0.001	0.999	1.000
C29.1.2	met_dg - pre_egg	-9.461	0.226	229.0	-41.922	0.000	0.000
C29.1.2	met_dg - queen_chc	0.000	0.386	229.0	-0.001	0.999	1.000
C29.1.2	met_dg - queen_dg	0.000	0.300	229.0	0.000	1.000	1.000
C29.1.2	met_dg - queen_egg	-9.129	0.221	229.0	-41.343	0.000	0.000
C29.1.2	met_egg - pre_chc	9.607	0.198	229.0	48.492	0.000	0.000
C29.1.2	met_egg - pre_dg	9.607	0.200	229.0	48.017	0.000	0.000
C29.1.2	met_egg - pre_egg	0.146	0.200	229.0	0.729	0.467	1.000
C29.1.2	met_egg - queen_chc	9.606	0.371	229.0	25.862	0.000	0.000
C29.1.2	met_egg - queen_dg	9.607	0.281	229.0	34.135	0.000	0.000
C29.1.2	met_egg - queen_egg	0.478	0.195	229.0	2.457	0.015	1.000
C29.1.2	pre_chc - pre_dg	0.000	0.196	229.0	0.002	0.998	1.000
C29.1.2	pre_chc - pre_egg	-9.461	0.196	229.0	-48.282	0.000	0.000
C29.1.2	pre_chc - queen_chc	0.000	0.369	229.0	0.000	1.000	1.000
C29.1.2	pre_chc - queen_dg	0.000	0.279	229.0	0.001	0.999	1.000
C29.1.2	pre_chc - queen_egg	-9.129	0.190	229.0	-47.967	0.000	0.000
C29.1.2	pre_dg - pre_egg	-9.461	0.198	229.0	-47.799	0.000	0.000
C29.1.2	pre_dg - queen_chc	0.000	0.370	229.0	-0.001	0.999	1.000
C29.1.2	pre_dg - queen_dg	0.000	0.280	229.0	-0.001	1.000	1.000
C29.1.2	pre_dg - queen_egg	-9.129	0.192	229.0	-47.458	0.000	0.000
C29.1.2	pre_egg - queen_chc	9.461	0.370	229.0	25.548	0.000	0.000
C29.1.2	pre_egg - queen_dg	9.461	0.280	229.0	33.798	0.000	0.000
C29.1.2	pre_egg - queen_egg	0.332	0.192	229.0	1.726	0.086	1.000
C29.1.2	queen_chc - queen_dg	0.000	0.420	229.0	0.001	0.999	1.000
C29.1.2	queen_chc - queen_egg	-9.129	0.367	229.0	-24.850	0.000	0.000
C29.1.2	queen_dg - queen_egg	-9.129	0.276	229.0	-33.075	0.000	0.000
C29.1.3	ace_chc - ace_dg	-10.080	0.355	229.0	-28.390	0.000	0.000
C29.1.3	ace_chc - ace_egg	0.001	0.377	229.0	0.001	0.999	1.000
C29.1.3	ace_chc - met_chc	0.000	0.372	229.0	0.000	1.000	1.000
C29.1.3	ace_chc - met_dg	-10.259	0.410	229.0	-25.022	0.000	0.000
C29.1.3	ace_chc - met_egg	0.000	0.363	229.0	0.001	0.999	1.000
C29.1.3	ace_chc - pre_chc	0.000	0.355	229.0	0.000	1.000	1.000
C29.1.3	ace_chc - pre_dg	-9.091	0.359	229.0	-25.340	0.000	0.000
C29.1.3	ace_chc - pre_egg	0.000	0.359	229.0	0.001	0.999	1.000
C29.1.3	ace_chc - queen_chc	0.000	0.676	229.0	0.000	1.000	1.000
C29.1.3	ace_chc - queen_dg	-10.395	0.510	229.0	-20.386	0.000	0.000
C29.1.3	ace_chc - queen_egg	0.001	0.348	229.0	0.002	0.999	1.000
C29.1.3	ace_dg - ace_egg	10.081	0.377	229.0	26.768	0.000	0.000
C29.1.3	ace_dg - met_chc	10.080	0.372	229.0	27.128	0.000	0.000
C29.1.3	ace_dg - met_dg	-0.179	0.410	229.0	-0.435	0.664	1.000
C29.1.3	ace_dg - met_egg	10.081	0.363	229.0	27.794	0.000	0.000
C29.1.3	ace_dg - pre_chc	10.080	0.355	229.0	28.390	0.000	0.000
C29.1.3	ace_dg - pre_dg	0.990	0.359	229.0	2.759	0.006	1.000
C29.1.3	ace_dg - pre_egg	10.081	0.359	229.0	28.100	0.000	0.000
C29.1.3	ace_dg - queen_chc	10.080	0.676	229.0	14.911	0.000	0.000
C29.1.3	ace_dg - queen_dg	-0.315	0.510	229.0	-0.618	0.537	1.000
C29.1.3	ace_dg - queen_egg	10.081	0.348	229.0	28.932	0.000	0.000
C29.1.3	ace_egg - met_chc	-0.001	0.392	229.0	-0.001	0.999	1.000
C29.1.3	ace_egg - met_dg	-10.259	0.429	229.0	-23.927	0.000	0.000
C29.1.3	ace_egg - met_egg	0.000	0.384	229.0	0.000	1.000	1.000
C29.1.3	ace_egg - pre_chc	-0.001	0.377	229.0	-0.002	0.999	1.000
C29.1.3	ace_egg - pre_dg	-9.091	0.380	229.0	-23.920	0.000	0.000
C29.1.3	ace_egg - pre_egg	0.000	0.380	229.0	0.000	1.000	1.000
C29.1.3	ace_egg - queen_chc	-0.001	0.688	229.0	-0.001	0.999	1.000
C29.1.3	ace_egg - queen_dg	-10.396	0.525	229.0	-19.796	0.000	0.000
C29.1.3	ace_egg - queen_egg	0.000	0.370	229.0	0.000	1.000	1.000
C29.1.3	met_chc - met_dg	-10.259	0.424	229.0	-24.174	0.000	0.000
C29.1.3	met_chc - met_egg	0.000	0.379	229.0	0.001	0.999	1.000
C29.1.3	met_chc - pre_chc	0.000	0.372	229.0	0.000	1.000	1.000
C29.1.3	met_chc - pre_dg	-9.091	0.375	229.0	-24.235	0.000	0.000
C29.1.3	met_chc - pre_egg	0.000	0.375	229.0	0.001	0.999	1.000
C29.1.3	met_chc - queen_chc	0.000	0.685	229.0	0.000	1.000	1.000
C29.1.3	met_chc - queen_dg	-10.396	0.522	229.0	-19.931	0.000	0.000

C29.1.3	met_chc - queen_egg	0.001	0.365	229.0	0.001	0.999	1.000
C29.1.3	met_dg - met_egg	10.259	0.417	229.0	24.625	0.000	0.000
C29.1.3	met_dg - pre_chc	10.259	0.410	229.0	25.022	0.000	0.000
C29.1.3	met_dg - pre_dg	1.168	0.413	229.0	2.827	0.005	1.000
C29.1.3	met_dg - pre_egg	10.259	0.413	229.0	24.830	0.000	0.000
C29.1.3	met_dg - queen_chc	10.259	0.706	229.0	14.522	0.000	0.000
C29.1.3	met_dg - queen_dg	-0.137	0.550	229.0	-0.248	0.804	1.000
C29.1.3	met_dg - queen_egg	10.259	0.404	229.0	25.378	0.000	0.000
C29.1.3	met_egg - pre_chc	-0.001	0.363	229.0	-0.001	0.999	1.000
C29.1.3	met_egg - pre_dg	-9.091	0.366	229.0	-24.819	0.000	0.000
C29.1.3	met_egg - pre_egg	0.000	0.366	229.0	0.000	1.000	1.000
C29.1.3	met_egg - queen_chc	-0.001	0.680	229.0	-0.001	0.999	1.000
C29.1.3	met_egg - queen_dg	-10.396	0.515	229.0	-20.176	0.000	0.000
C29.1.3	met_egg - queen_egg	0.000	0.356	229.0	0.000	1.000	1.000
C29.1.3	pre_chc - pre_dg	-9.091	0.359	229.0	-25.340	0.000	0.000
C29.1.3	pre_chc - pre_egg	0.000	0.359	229.0	0.001	0.999	1.000
C29.1.3	pre_chc - queen_chc	0.000	0.676	229.0	0.000	1.000	1.000
C29.1.3	pre_chc - queen_dg	-10.395	0.510	229.0	-20.386	0.000	0.000
C29.1.3	pre_chc - queen_egg	0.001	0.348	229.0	0.002	0.999	1.000
C29.1.3	pre_dg - pre_egg	9.091	0.362	229.0	25.087	0.000	0.000
C29.1.3	pre_dg - queen_chc	9.091	0.678	229.0	13.409	0.000	0.000
C29.1.3	pre_dg - queen_dg	-1.305	0.512	229.0	-2.546	0.012	1.000
C29.1.3	pre_dg - queen_egg	9.091	0.352	229.0	25.814	0.000	0.000
C29.1.3	pre_egg - queen_chc	-0.001	0.678	229.0	-0.001	0.999	1.000
C29.1.3	pre_egg - queen_dg	-10.396	0.512	229.0	-20.285	0.000	0.000
C29.1.3	pre_egg - queen_egg	0.000	0.352	229.0	0.000	1.000	1.000
C29.1.3	queen_chc - queen_dg	-10.395	0.769	229.0	-13.522	0.000	0.000
C29.1.3	queen_chc - queen_egg	0.001	0.673	229.0	0.001	0.999	1.000
C29.1.3	queen_dg - queen_egg	10.396	0.505	229.0	20.573	0.000	0.000
n.C21	ace_chc - ace_dg	0.000	0.610	229.0	0.001	0.999	1.000
n.C21	ace_chc - ace_egg	-6.603	0.648	229.0	-10.198	0.000	0.000
n.C21	ace_chc - met_chc	0.000	0.639	229.0	0.000	1.000	1.000
n.C21	ace_chc - met_dg	0.000	0.705	229.0	0.000	1.000	1.000
n.C21	ace_chc - met_egg	-8.733	0.624	229.0	-14.003	0.000	0.000
n.C21	ace_chc - pre_chc	0.000	0.610	229.0	0.000	1.000	1.000
n.C21	ace_chc - pre_dg	0.000	0.617	229.0	0.001	1.000	1.000
n.C21	ace_chc - pre_egg	-7.159	0.617	229.0	-11.607	0.000	0.000
n.C21	ace_chc - queen_chc	0.000	1.162	229.0	0.000	1.000	1.000
n.C21	ace_chc - queen_dg	0.000	0.877	229.0	0.000	1.000	1.000
n.C21	ace_chc - queen_egg	-5.949	0.599	229.0	-9.930	0.000	0.000
n.C21	ace_dg - ace_egg	-6.604	0.648	229.0	-10.198	0.000	0.000
n.C21	ace_dg - met_chc	0.000	0.639	229.0	-0.001	0.999	1.000
n.C21	ace_dg - met_dg	0.000	0.705	229.0	0.000	1.000	1.000
n.C21	ace_dg - met_egg	-8.733	0.624	229.0	-14.004	0.000	0.000
n.C21	ace_dg - pre_chc	0.000	0.610	229.0	-0.001	0.999	1.000
n.C21	ace_dg - pre_dg	0.000	0.617	229.0	0.000	1.000	1.000
n.C21	ace_dg - pre_egg	-7.160	0.617	229.0	-11.608	0.000	0.000
n.C21	ace_dg - queen_chc	-0.001	1.162	229.0	0.000	1.000	1.000
n.C21	ace_dg - queen_dg	0.000	0.877	229.0	0.000	1.000	1.000
n.C21	ace_dg - queen_egg	-5.949	0.599	229.0	-9.931	0.000	0.000
n.C21	ace_egg - met_chc	6.603	0.674	229.0	9.792	0.000	0.000
n.C21	ace_egg - met_dg	6.603	0.737	229.0	8.957	0.000	0.000
n.C21	ace_egg - met_egg	-2.129	0.660	229.0	-3.227	0.001	1.000
n.C21	ace_egg - pre_chc	6.603	0.648	229.0	10.197	0.000	0.000
n.C21	ace_egg - pre_dg	6.604	0.653	229.0	10.105	0.000	0.000
n.C21	ace_egg - pre_egg	-0.556	0.653	229.0	-0.851	0.396	1.000
n.C21	ace_egg - queen_chc	6.603	1.182	229.0	5.585	0.000	0.000
n.C21	ace_egg - queen_dg	6.603	0.903	229.0	7.313	0.000	0.000
n.C21	ace_egg - queen_egg	0.654	0.637	229.0	1.027	0.305	1.000
n.C21	met_chc - met_dg	0.000	0.730	229.0	0.000	1.000	1.000
n.C21	met_chc - met_egg	-8.733	0.651	229.0	-13.405	0.000	0.000
n.C21	met_chc - pre_chc	0.000	0.639	229.0	0.000	1.000	1.000
n.C21	met_chc - pre_dg	0.000	0.645	229.0	0.001	1.000	1.000
n.C21	met_chc - pre_egg	-7.159	0.645	229.0	-11.101	0.000	0.000

n.C21	met_chc - queen_chc	0.000	1.178	229.0	0.000	1.000	1.000
n.C21	met_chc - queen_dg	0.000	0.897	229.0	0.000	1.000	1.000
n.C21	met_chc - queen_egg	-5.949	0.628	229.0	-9.473	0.000	0.000
n.C21	met_dg - met_egg	-8.733	0.716	229.0	-12.191	0.000	0.000
n.C21	met_dg - pre_chc	0.000	0.705	229.0	0.000	1.000	1.000
n.C21	met_dg - pre_dg	0.000	0.710	229.0	0.000	1.000	1.000
n.C21	met_dg - pre_egg	-7.160	0.710	229.0	-10.078	0.000	0.000
n.C21	met_dg - queen_chc	0.000	1.215	229.0	0.000	1.000	1.000
n.C21	met_dg - queen_dg	0.000	0.945	229.0	0.000	1.000	1.000
n.C21	met_dg - queen_egg	-5.949	0.695	229.0	-8.559	0.000	0.000
n.C21	met_egg - pre_chc	8.733	0.624	229.0	14.003	0.000	0.000
n.C21	met_egg - pre_dg	8.733	0.630	229.0	13.866	0.000	0.000
n.C21	met_egg - pre_egg	1.573	0.630	229.0	2.498	0.013	1.000
n.C21	met_egg - queen_chc	8.733	1.169	229.0	7.468	0.000	0.000
n.C21	met_egg - queen_dg	8.733	0.886	229.0	9.857	0.000	0.000
n.C21	met_egg - queen_egg	2.784	0.612	229.0	4.545	0.000	0.026
n.C21	pre_chc - pre_dg	0.000	0.617	229.0	0.001	0.999	1.000
n.C21	pre_chc - pre_egg	-7.159	0.617	229.0	-11.607	0.000	0.000
n.C21	pre_chc - queen_chc	0.000	1.162	229.0	0.000	1.000	1.000
n.C21	pre_chc - queen_dg	0.000	0.877	229.0	0.000	1.000	1.000
n.C21	pre_chc - queen_egg	-5.949	0.599	229.0	-9.930	0.000	0.000
n.C21	pre_dg - pre_egg	-7.160	0.623	229.0	-11.491	0.000	0.000
n.C21	pre_dg - queen_chc	0.000	1.166	229.0	0.000	1.000	1.000
n.C21	pre_dg - queen_dg	0.000	0.881	229.0	0.000	1.000	1.000
n.C21	pre_dg - queen_egg	-5.949	0.606	229.0	-9.825	0.000	0.000
n.C21	pre_egg - queen_chc	7.159	1.166	229.0	6.142	0.000	0.000
n.C21	pre_egg - queen_dg	7.160	0.881	229.0	8.125	0.000	0.000
n.C21	pre_egg - queen_egg	1.211	0.606	229.0	1.999	0.047	1.000
n.C21	queen_chc - queen_dg	0.000	1.322	229.0	0.000	1.000	1.000
n.C21	queen_chc - queen_egg	-5.949	1.156	229.0	-5.144	0.000	0.002
n.C21	queen_dg - queen_egg	-5.949	0.869	229.0	-6.847	0.000	0.000
n.C22	ace_chc - ace_dg	2.993	0.504	229.0	5.937	0.000	0.000
n.C22	ace_chc - ace_egg	2.993	0.535	229.0	5.597	0.000	0.000
n.C22	ace_chc - met_chc	-3.373	0.528	229.0	-6.394	0.000	0.000
n.C22	ace_chc - met_dg	2.992	0.582	229.0	5.141	0.000	0.002
n.C22	ace_chc - met_egg	2.993	0.515	229.0	5.812	0.000	0.000
n.C22	ace_chc - pre_chc	0.768	0.504	229.0	1.523	0.129	1.000
n.C22	ace_chc - pre_dg	2.993	0.509	229.0	5.876	0.000	0.000
n.C22	ace_chc - pre_egg	2.993	0.509	229.0	5.876	0.000	0.000
n.C22	ace_chc - queen_chc	-3.652	0.960	229.0	-3.805	0.000	0.529
n.C22	ace_chc - queen_dg	2.992	0.724	229.0	4.133	0.000	0.146
n.C22	ace_chc - queen_egg	2.993	0.495	229.0	6.050	0.000	0.000
n.C22	ace_dg - ace_egg	0.000	0.535	229.0	0.000	1.000	1.000
n.C22	ace_dg - met_chc	-6.366	0.528	229.0	-12.066	0.000	0.000
n.C22	ace_dg - met_dg	0.000	0.582	229.0	0.000	1.000	1.000
n.C22	ace_dg - met_egg	0.000	0.515	229.0	0.000	1.000	1.000
n.C22	ace_dg - pre_chc	-2.225	0.504	229.0	-4.414	0.000	0.045
n.C22	ace_dg - pre_dg	0.000	0.509	229.0	0.000	1.000	1.000
n.C22	ace_dg - pre_egg	0.000	0.509	229.0	0.000	1.000	1.000
n.C22	ace_dg - queen_chc	-6.644	0.960	229.0	-6.923	0.000	0.000
n.C22	ace_dg - queen_dg	0.000	0.724	229.0	0.000	1.000	1.000
n.C22	ace_dg - queen_egg	0.000	0.495	229.0	0.000	1.000	1.000
n.C22	ace_egg - met_chc	-6.366	0.557	229.0	-11.432	0.000	0.000
n.C22	ace_egg - met_dg	0.000	0.609	229.0	-0.001	1.000	1.000
n.C22	ace_egg - met_egg	0.000	0.545	229.0	0.000	1.000	1.000
n.C22	ace_egg - pre_chc	-2.225	0.535	229.0	-4.161	0.000	0.130
n.C22	ace_egg - pre_dg	0.000	0.540	229.0	0.000	1.000	1.000
n.C22	ace_egg - pre_egg	0.000	0.540	229.0	0.000	1.000	1.000
n.C22	ace_egg - queen_chc	-6.645	0.976	229.0	-6.807	0.000	0.000
n.C22	ace_egg - queen_dg	0.000	0.746	229.0	0.000	1.000	1.000
n.C22	ace_egg - queen_egg	0.000	0.526	229.0	0.000	1.000	1.000
n.C22	met_chc - met_dg	6.365	0.603	229.0	10.565	0.000	0.000
n.C22	met_chc - met_egg	6.366	0.538	229.0	11.834	0.000	0.000
n.C22	met_chc - pre_chc	4.141	0.528	229.0	7.849	0.000	0.000

n.C22	met_chc - pre_dg	6.366	0.533	229.0	11.953	0.000	0.000
n.C22	met_chc - pre_egg	6.366	0.533	229.0	11.953	0.000	0.000
n.C22	met_chc - queen_chc	-0.279	0.972	229.0	-0.287	0.775	1.000
n.C22	met_chc - queen_dg	6.365	0.740	229.0	8.596	0.000	0.000
n.C22	met_chc - queen_egg	6.366	0.519	229.0	12.276	0.000	0.000
n.C22	met_dg - met_egg	0.000	0.591	229.0	0.000	1.000	1.000
n.C22	met_dg - pre_chc	-2.225	0.582	229.0	-3.822	0.000	0.496
n.C22	met_dg - pre_dg	0.000	0.587	229.0	0.000	1.000	1.000
n.C22	met_dg - pre_egg	0.000	0.587	229.0	0.000	1.000	1.000
n.C22	met_dg - queen_chc	-6.644	1.003	229.0	-6.625	0.000	0.000
n.C22	met_dg - queen_dg	0.000	0.780	229.0	0.000	1.000	1.000
n.C22	met_dg - queen_egg	0.000	0.574	229.0	0.001	1.000	1.000
n.C22	met_egg - pre_chc	-2.225	0.515	229.0	-4.321	0.000	0.067
n.C22	met_egg - pre_dg	0.000	0.520	229.0	0.000	1.000	1.000
n.C22	met_egg - pre_egg	0.000	0.520	229.0	0.000	1.000	1.000
n.C22	met_egg - queen_chc	-6.644	0.966	229.0	-6.882	0.000	0.000
n.C22	met_egg - queen_dg	0.000	0.732	229.0	0.000	1.000	1.000
n.C22	met_egg - queen_egg	0.000	0.506	229.0	0.000	1.000	1.000
n.C22	pre_chc - pre_dg	2.225	0.509	229.0	4.368	0.000	0.055
n.C22	pre_chc - pre_egg	2.225	0.509	229.0	4.368	0.000	0.055
n.C22	pre_chc - queen_chc	-4.420	0.960	229.0	-4.605	0.000	0.020
n.C22	pre_chc - queen_dg	2.225	0.724	229.0	3.073	0.002	1.000
n.C22	pre_chc - queen_egg	2.225	0.495	229.0	4.498	0.000	0.032
n.C22	pre_dg - pre_egg	0.000	0.514	229.0	0.000	1.000	1.000
n.C22	pre_dg - queen_chc	-6.644	0.963	229.0	-6.903	0.000	0.000
n.C22	pre_dg - queen_dg	0.000	0.728	229.0	0.000	1.000	1.000
n.C22	pre_dg - queen_egg	0.000	0.500	229.0	0.000	1.000	1.000
n.C22	pre_egg - queen_chc	-6.644	0.963	229.0	-6.903	0.000	0.000
n.C22	pre_egg - queen_dg	0.000	0.728	229.0	0.000	1.000	1.000
n.C22	pre_egg - queen_egg	0.000	0.500	229.0	0.000	1.000	1.000
n.C22	queen_chc - queen_dg	6.644	1.091	229.0	6.088	0.000	0.000
n.C22	queen_chc - queen_egg	6.644	0.955	229.0	6.959	0.000	0.000
n.C22	queen_dg - queen_egg	0.000	0.717	229.0	0.000	1.000	1.000
n.C23	ace_chc - ace_dg	-1.444	0.665	229.0	-2.170	0.031	1.000
n.C23	ace_chc - ace_egg	-1.411	0.706	229.0	-1.999	0.047	1.000
n.C23	ace_chc - met_chc	-1.300	0.696	229.0	-1.868	0.063	1.000
n.C23	ace_chc - met_dg	-1.559	0.768	229.0	-2.030	0.044	1.000
n.C23	ace_chc - met_egg	-2.538	0.680	229.0	-3.734	0.000	0.692
n.C23	ace_chc - pre_chc	-0.013	0.665	229.0	-0.019	0.985	1.000
n.C23	ace_chc - pre_dg	0.262	0.672	229.0	0.389	0.698	1.000
n.C23	ace_chc - pre_egg	-2.041	0.672	229.0	-3.037	0.003	1.000
n.C23	ace_chc - queen_chc	-0.290	1.267	229.0	-0.229	0.819	1.000
n.C23	ace_chc - queen_dg	-1.309	0.956	229.0	-1.370	0.172	1.000
n.C23	ace_chc - queen_egg	-1.397	0.653	229.0	-2.140	0.033	1.000
n.C23	ace_dg - ace_egg	0.033	0.706	229.0	0.047	0.963	1.000
n.C23	ace_dg - met_chc	0.143	0.696	229.0	0.206	0.837	1.000
n.C23	ace_dg - met_dg	-0.115	0.768	229.0	-0.150	0.881	1.000
n.C23	ace_dg - met_egg	-1.094	0.680	229.0	-1.609	0.109	1.000
n.C23	ace_dg - pre_chc	1.431	0.665	229.0	2.151	0.033	1.000
n.C23	ace_dg - pre_dg	1.705	0.672	229.0	2.537	0.012	1.000
n.C23	ace_dg - pre_egg	-0.598	0.672	229.0	-0.889	0.375	1.000
n.C23	ace_dg - queen_chc	1.154	1.267	229.0	0.911	0.363	1.000
n.C23	ace_dg - queen_dg	0.135	0.956	229.0	0.141	0.888	1.000
n.C23	ace_dg - queen_egg	0.046	0.653	229.0	0.071	0.944	1.000
n.C23	ace_egg - met_chc	0.110	0.735	229.0	0.150	0.881	1.000
n.C23	ace_egg - met_dg	-0.149	0.803	229.0	-0.185	0.853	1.000
n.C23	ace_egg - met_egg	-1.127	0.719	229.0	-1.567	0.119	1.000
n.C23	ace_egg - pre_chc	1.398	0.706	229.0	1.981	0.049	1.000
n.C23	ace_egg - pre_dg	1.672	0.712	229.0	2.348	0.020	1.000
n.C23	ace_egg - pre_egg	-0.631	0.712	229.0	-0.886	0.377	1.000
n.C23	ace_egg - queen_chc	1.121	1.288	229.0	0.870	0.385	1.000
n.C23	ace_egg - queen_dg	0.102	0.984	229.0	0.103	0.918	1.000
n.C23	ace_egg - queen_egg	0.013	0.694	229.0	0.019	0.985	1.000
n.C23	met_chc - met_dg	-0.259	0.795	229.0	-0.325	0.745	1.000

n.C23	met_chc - met_egg	-1.237	0.710	229.0	-1.743	0.083	1.000
n.C23	met_chc - pre_chc	1.288	0.696	229.0	1.849	0.066	1.000
n.C23	met_chc - pre_dg	1.562	0.703	229.0	2.222	0.027	1.000
n.C23	met_chc - pre_egg	-0.741	0.703	229.0	-1.054	0.293	1.000
n.C23	met_chc - queen_chc	1.011	1.283	229.0	0.788	0.432	1.000
n.C23	met_chc - queen_dg	-0.008	0.977	229.0	-0.009	0.993	1.000
n.C23	met_chc - queen_egg	-0.097	0.684	229.0	-0.142	0.887	1.000
n.C23	met_dg - met_egg	-0.978	0.781	229.0	-1.253	0.211	1.000
n.C23	met_dg - pre_chc	1.546	0.768	229.0	2.013	0.045	1.000
n.C23	met_dg - pre_dg	1.821	0.774	229.0	2.352	0.020	1.000
n.C23	met_dg - pre_egg	-0.482	0.774	229.0	-0.623	0.534	1.000
n.C23	met_dg - queen_chc	1.270	1.324	229.0	0.959	0.339	1.000
n.C23	met_dg - queen_dg	0.250	1.030	229.0	0.243	0.808	1.000
n.C23	met_dg - queen_egg	0.162	0.758	229.0	0.214	0.831	1.000
n.C23	met_egg - pre_chc	2.525	0.680	229.0	3.715	0.000	0.742
n.C23	met_egg - pre_dg	2.799	0.686	229.0	4.078	0.000	0.182
n.C23	met_egg - pre_egg	0.496	0.686	229.0	0.723	0.470	1.000
n.C23	met_egg - queen_chc	2.248	1.274	229.0	1.764	0.079	1.000
n.C23	met_egg - queen_dg	1.229	0.966	229.0	1.273	0.204	1.000
n.C23	met_egg - queen_egg	1.140	0.667	229.0	1.708	0.089	1.000
n.C23	pre_chc - pre_dg	0.274	0.672	229.0	0.408	0.683	1.000
n.C23	pre_chc - pre_egg	-2.028	0.672	229.0	-3.017	0.003	1.000
n.C23	pre_chc - queen_chc	-0.277	1.267	229.0	-0.218	0.827	1.000
n.C23	pre_chc - queen_dg	-1.296	0.956	229.0	-1.356	0.176	1.000
n.C23	pre_chc - queen_egg	-1.385	0.653	229.0	-2.121	0.035	1.000
n.C23	pre_dg - pre_egg	-2.303	0.679	229.0	-3.391	0.001	1.000
n.C23	pre_dg - queen_chc	-0.551	1.270	229.0	-0.434	0.665	1.000
n.C23	pre_dg - queen_dg	-1.570	0.960	229.0	-1.635	0.103	1.000
n.C23	pre_dg - queen_egg	-1.659	0.660	229.0	-2.514	0.013	1.000
n.C23	pre_egg - queen_chc	1.752	1.270	229.0	1.379	0.169	1.000
n.C23	pre_egg - queen_dg	0.733	0.960	229.0	0.763	0.446	1.000
n.C23	pre_egg - queen_egg	0.644	0.660	229.0	0.976	0.330	1.000
n.C23	queen_chc - queen_dg	-1.019	1.441	229.0	-0.708	0.480	1.000
n.C23	queen_chc - queen_egg	-1.108	1.260	229.0	-0.879	0.380	1.000
n.C23	queen_dg - queen_egg	-0.089	0.947	229.0	-0.094	0.925	1.000
n.C24	ace_chc - ace_dg	2.210	0.754	229.0	2.930	0.004	1.000
n.C24	ace_chc - ace_egg	-0.779	0.800	229.0	-0.974	0.331	1.000
n.C24	ace_chc - met_chc	-0.487	0.790	229.0	-0.617	0.538	1.000
n.C24	ace_chc - met_dg	4.594	0.871	229.0	5.273	0.000	0.001
n.C24	ace_chc - met_egg	-0.366	0.771	229.0	-0.475	0.635	1.000
n.C24	ace_chc - pre_chc	-0.026	0.754	229.0	-0.034	0.973	1.000
n.C24	ace_chc - pre_dg	3.648	0.762	229.0	4.785	0.000	0.009
n.C24	ace_chc - pre_egg	-0.612	0.762	229.0	-0.803	0.423	1.000
n.C24	ace_chc - queen_chc	-1.096	1.436	229.0	-0.763	0.446	1.000
n.C24	ace_chc - queen_dg	2.997	1.083	229.0	2.766	0.006	1.000
n.C24	ace_chc - queen_egg	-0.636	0.740	229.0	-0.859	0.391	1.000
n.C24	ace_dg - ace_egg	-2.989	0.800	229.0	-3.736	0.000	0.686
n.C24	ace_dg - met_chc	-2.697	0.790	229.0	-3.416	0.001	1.000
n.C24	ace_dg - met_dg	2.384	0.871	229.0	2.736	0.007	1.000
n.C24	ace_dg - met_egg	-2.576	0.771	229.0	-3.343	0.001	1.000
n.C24	ace_dg - pre_chc	-2.236	0.754	229.0	-2.964	0.003	1.000
n.C24	ace_dg - pre_dg	1.437	0.762	229.0	1.886	0.061	1.000
n.C24	ace_dg - pre_egg	-2.823	0.762	229.0	-3.703	0.000	0.775
n.C24	ace_dg - queen_chc	-3.307	1.436	229.0	-2.302	0.022	1.000
n.C24	ace_dg - queen_dg	0.786	1.083	229.0	0.726	0.469	1.000
n.C24	ace_dg - queen_egg	-2.846	0.740	229.0	-3.844	0.000	0.455
n.C24	ace_egg - met_chc	0.292	0.833	229.0	0.350	0.726	1.000
n.C24	ace_egg - met_dg	5.373	0.911	229.0	5.897	0.000	0.000
n.C24	ace_egg - met_egg	0.413	0.816	229.0	0.507	0.613	1.000
n.C24	ace_egg - pre_chc	0.754	0.800	229.0	0.942	0.347	1.000
n.C24	ace_egg - pre_dg	4.427	0.808	229.0	5.482	0.000	0.000
n.C24	ace_egg - pre_egg	0.167	0.808	229.0	0.207	0.837	1.000
n.C24	ace_egg - queen_chc	-0.317	1.461	229.0	-0.217	0.828	1.000
n.C24	ace_egg - queen_dg	3.776	1.116	229.0	3.384	0.001	1.000

n.C24	ace_egg - queen_egg	0.144	0.787	229.0	0.182	0.855	1.000
n.C24	met_chc - met_dg	5.081	0.902	229.0	5.635	0.000	0.000
n.C24	met_chc - met_egg	0.121	0.805	229.0	0.151	0.880	1.000
n.C24	met_chc - pre_chc	0.462	0.790	229.0	0.585	0.559	1.000
n.C24	met_chc - pre_dg	4.135	0.797	229.0	5.188	0.000	0.001
n.C24	met_chc - pre_egg	-0.125	0.797	229.0	-0.157	0.875	1.000
n.C24	met_chc - queen_chc	-0.609	1.455	229.0	-0.419	0.676	1.000
n.C24	met_chc - queen_dg	3.484	1.108	229.0	3.144	0.002	1.000
n.C24	met_chc - queen_egg	-0.148	0.776	229.0	-0.191	0.849	1.000
n.C24	met_dg - met_egg	-4.960	0.885	229.0	-5.603	0.000	0.000
n.C24	met_dg - pre_chc	-4.619	0.871	229.0	-5.303	0.000	0.001
n.C24	met_dg - pre_dg	-0.946	0.878	229.0	-1.078	0.282	1.000
n.C24	met_dg - pre_egg	-5.206	0.878	229.0	-5.930	0.000	0.000
n.C24	met_dg - queen_chc	-5.690	1.501	229.0	-3.791	0.000	0.558
n.C24	met_dg - queen_dg	-1.597	1.168	229.0	-1.368	0.173	1.000
n.C24	met_dg - queen_egg	-5.229	0.859	229.0	-6.088	0.000	0.000
n.C24	met_egg - pre_chc	0.340	0.771	229.0	0.442	0.659	1.000
n.C24	met_egg - pre_dg	4.014	0.778	229.0	5.157	0.000	0.002
n.C24	met_egg - pre_egg	-0.246	0.778	229.0	-0.317	0.752	1.000
n.C24	met_egg - queen_chc	-0.730	1.445	229.0	-0.505	0.614	1.000
n.C24	met_egg - queen_dg	3.363	1.095	229.0	3.071	0.002	1.000
n.C24	met_egg - queen_egg	-0.270	0.757	229.0	-0.356	0.722	1.000
n.C24	pre_chc - pre_dg	3.673	0.762	229.0	4.819	0.000	0.008
n.C24	pre_chc - pre_egg	-0.587	0.762	229.0	-0.770	0.442	1.000
n.C24	pre_chc - queen_chc	-1.071	1.436	229.0	-0.745	0.457	1.000
n.C24	pre_chc - queen_dg	3.022	1.083	229.0	2.789	0.006	1.000
n.C24	pre_chc - queen_egg	-0.610	0.740	229.0	-0.824	0.411	1.000
n.C24	pre_dg - pre_egg	-4.260	0.770	229.0	-5.532	0.000	0.000
n.C24	pre_dg - queen_chc	-4.744	1.441	229.0	-3.293	0.001	1.000
n.C24	pre_dg - queen_dg	-0.651	1.089	229.0	-0.598	0.551	1.000
n.C24	pre_dg - queen_egg	-4.283	0.748	229.0	-5.724	0.000	0.000
n.C24	pre_egg - queen_chc	-0.484	1.441	229.0	-0.336	0.737	1.000
n.C24	pre_egg - queen_dg	3.609	1.089	229.0	3.314	0.001	1.000
n.C24	pre_egg - queen_egg	-0.023	0.748	229.0	-0.031	0.975	1.000
n.C24	queen_chc - queen_dg	4.093	1.633	229.0	2.506	0.013	1.000
n.C24	queen_chc - queen_egg	0.461	1.429	229.0	0.322	0.747	1.000
n.C24	queen_dg - queen_egg	-3.632	1.074	229.0	-3.383	0.001	1.000
n.C25	ace_chc - ace_dg	1.698	0.228	229.0	7.454	0.000	0.000
n.C25	ace_chc - ace_egg	0.183	0.242	229.0	0.759	0.449	1.000
n.C25	ace_chc - met_chc	-0.238	0.238	229.0	-0.996	0.320	1.000
n.C25	ace_chc - met_dg	2.653	0.263	229.0	10.084	0.000	0.000
n.C25	ace_chc - met_egg	0.225	0.233	229.0	0.965	0.335	1.000
n.C25	ace_chc - pre_chc	-0.159	0.228	229.0	-0.696	0.487	1.000
n.C25	ace_chc - pre_dg	2.425	0.230	229.0	10.534	0.000	0.000
n.C25	ace_chc - pre_egg	0.381	0.230	229.0	1.655	0.099	1.000
n.C25	ace_chc - queen_chc	-0.978	0.434	229.0	-2.253	0.025	1.000
n.C25	ace_chc - queen_dg	2.170	0.327	229.0	6.630	0.000	0.000
n.C25	ace_chc - queen_egg	-0.228	0.224	229.0	-1.021	0.308	1.000
n.C25	ace_dg - ace_egg	-1.515	0.242	229.0	-6.269	0.000	0.000
n.C25	ace_dg - met_chc	-1.936	0.238	229.0	-8.119	0.000	0.000
n.C25	ace_dg - met_dg	0.955	0.263	229.0	3.629	0.000	1.000
n.C25	ace_dg - met_egg	-1.474	0.233	229.0	-6.332	0.000	0.000
n.C25	ace_dg - pre_chc	-1.857	0.228	229.0	-8.150	0.000	0.000
n.C25	ace_dg - pre_dg	0.727	0.230	229.0	3.157	0.002	1.000
n.C25	ace_dg - pre_egg	-1.318	0.230	229.0	-5.723	0.000	0.000
n.C25	ace_dg - queen_chc	-2.676	0.434	229.0	-6.168	0.000	0.000
n.C25	ace_dg - queen_dg	0.471	0.327	229.0	1.439	0.151	1.000
n.C25	ace_dg - queen_egg	-1.927	0.224	229.0	-8.617	0.000	0.000
n.C25	ace_egg - met_chc	-0.421	0.252	229.0	-1.673	0.096	1.000
n.C25	ace_egg - met_dg	2.470	0.275	229.0	8.976	0.000	0.000
n.C25	ace_egg - met_egg	0.041	0.246	229.0	0.168	0.867	1.000
n.C25	ace_egg - pre_chc	-0.342	0.242	229.0	-1.415	0.158	1.000
n.C25	ace_egg - pre_dg	2.242	0.244	229.0	9.191	0.000	0.000
n.C25	ace_egg - pre_egg	0.198	0.244	229.0	0.810	0.419	1.000

n.C25	ace_egg - queen_chc	-1.161	0.441	229.0	-2.631	0.009	1.000
n.C25	ace_egg - queen_dg	1.986	0.337	229.0	5.893	0.000	0.000
n.C25	ace_egg - queen_egg	-0.412	0.238	229.0	-1.732	0.085	1.000
n.C25	met_chc - met_dg	2.891	0.272	229.0	10.615	0.000	0.000
n.C25	met_chc - met_egg	0.462	0.243	229.0	1.901	0.059	1.000
n.C25	met_chc - pre_chc	0.079	0.238	229.0	0.331	0.741	1.000
n.C25	met_chc - pre_dg	2.663	0.241	229.0	11.062	0.000	0.000
n.C25	met_chc - pre_egg	0.619	0.241	229.0	2.569	0.011	1.000
n.C25	met_chc - queen_chc	-0.740	0.440	229.0	-1.684	0.094	1.000
n.C25	met_chc - queen_dg	2.407	0.335	229.0	7.192	0.000	0.000
n.C25	met_chc - queen_egg	0.009	0.234	229.0	0.039	0.969	1.000
n.C25	met_dg - met_egg	-2.429	0.267	229.0	-9.083	0.000	0.000
n.C25	met_dg - pre_chc	-2.812	0.263	229.0	-10.687	0.000	0.000
n.C25	met_dg - pre_dg	-0.228	0.265	229.0	-0.860	0.391	1.000
n.C25	met_dg - pre_egg	-2.272	0.265	229.0	-8.570	0.000	0.000
n.C25	met_dg - queen_chc	-3.631	0.453	229.0	-8.009	0.000	0.000
n.C25	met_dg - queen_dg	-0.484	0.353	229.0	-1.372	0.171	1.000
n.C25	met_dg - queen_egg	-2.882	0.259	229.0	-11.108	0.000	0.000
n.C25	met_egg - pre_chc	-0.383	0.233	229.0	-1.647	0.101	1.000
n.C25	met_egg - pre_dg	2.201	0.235	229.0	9.361	0.000	0.000
n.C25	met_egg - pre_egg	0.156	0.235	229.0	0.664	0.507	1.000
n.C25	met_egg - queen_chc	-1.202	0.436	229.0	-2.755	0.006	1.000
n.C25	met_egg - queen_dg	1.945	0.331	229.0	5.881	0.000	0.000
n.C25	met_egg - queen_egg	-0.453	0.229	229.0	-1.982	0.049	1.000
n.C25	pre_chc - pre_dg	2.584	0.230	229.0	11.223	0.000	0.000
n.C25	pre_chc - pre_egg	0.540	0.230	229.0	2.344	0.020	1.000
n.C25	pre_chc - queen_chc	-0.819	0.434	229.0	-1.888	0.060	1.000
n.C25	pre_chc - queen_dg	2.328	0.327	229.0	7.115	0.000	0.000
n.C25	pre_chc - queen_egg	-0.070	0.224	229.0	-0.312	0.755	1.000
n.C25	pre_dg - pre_egg	-2.044	0.233	229.0	-8.790	0.000	0.000
n.C25	pre_dg - queen_chc	-3.403	0.435	229.0	-7.821	0.000	0.000
n.C25	pre_dg - queen_dg	-0.256	0.329	229.0	-0.777	0.438	1.000
n.C25	pre_dg - queen_egg	-2.654	0.226	229.0	-11.741	0.000	0.000
n.C25	pre_egg - queen_chc	-1.359	0.435	229.0	-3.122	0.002	1.000
n.C25	pre_egg - queen_dg	1.789	0.329	229.0	5.438	0.000	0.000
n.C25	pre_egg - queen_egg	-0.609	0.226	229.0	-2.696	0.008	1.000
n.C25	queen_chc - queen_dg	3.147	0.493	229.0	6.379	0.000	0.000
n.C25	queen_chc - queen_egg	0.749	0.432	229.0	1.736	0.084	1.000
n.C25	queen_dg - queen_egg	-2.398	0.324	229.0	-7.394	0.000	0.000
n.C26	ace_chc - ace_dg	-1.365	0.151	229.0	-9.034	0.000	0.000
n.C26	ace_chc - ace_egg	-0.131	0.160	229.0	-0.819	0.413	1.000
n.C26	ace_chc - met_chc	-0.083	0.158	229.0	-0.528	0.598	1.000
n.C26	ace_chc - met_dg	-2.108	0.174	229.0	-12.081	0.000	0.000
n.C26	ace_chc - met_egg	0.070	0.154	229.0	0.451	0.652	1.000
n.C26	ace_chc - pre_chc	-0.052	0.151	229.0	-0.347	0.729	1.000
n.C26	ace_chc - pre_dg	-1.488	0.153	229.0	-9.749	0.000	0.000
n.C26	ace_chc - pre_egg	-0.140	0.153	229.0	-0.919	0.359	1.000
n.C26	ace_chc - queen_chc	-1.183	0.288	229.0	-4.114	0.000	0.157
n.C26	ace_chc - queen_dg	-2.145	0.217	229.0	-9.888	0.000	0.000
n.C26	ace_chc - queen_egg	-0.153	0.148	229.0	-1.032	0.303	1.000
n.C26	ace_dg - ace_egg	1.234	0.160	229.0	7.698	0.000	0.000
n.C26	ace_dg - met_chc	1.281	0.158	229.0	8.104	0.000	0.000
n.C26	ace_dg - met_dg	-0.743	0.174	229.0	-4.258	0.000	0.088
n.C26	ace_dg - met_egg	1.434	0.154	229.0	9.295	0.000	0.000
n.C26	ace_dg - pre_chc	1.312	0.151	229.0	8.686	0.000	0.000
n.C26	ace_dg - pre_dg	-0.123	0.153	229.0	-0.808	0.420	1.000
n.C26	ace_dg - pre_egg	1.225	0.153	229.0	8.022	0.000	0.000
n.C26	ace_dg - queen_chc	0.181	0.288	229.0	0.631	0.529	1.000
n.C26	ace_dg - queen_dg	-0.781	0.217	229.0	-3.598	0.000	1.000
n.C26	ace_dg - queen_egg	1.212	0.148	229.0	8.174	0.000	0.000
n.C26	ace_egg - met_chc	0.048	0.167	229.0	0.287	0.775	1.000
n.C26	ace_egg - met_dg	-1.976	0.182	229.0	-10.832	0.000	0.000
n.C26	ace_egg - met_egg	0.201	0.163	229.0	1.230	0.220	1.000
n.C26	ace_egg - pre_chc	0.079	0.160	229.0	0.492	0.623	1.000

n.C26	ace_egg - pre_dg	-1.357	0.162	229.0	-8.390	0.000	0.000
n.C26	ace_egg - pre_egg	-0.009	0.162	229.0	-0.056	0.956	1.000
n.C26	ace_egg - queen_chc	-1.052	0.293	229.0	-3.596	0.000	1.000
n.C26	ace_egg - queen_dg	-2.014	0.223	229.0	-9.014	0.000	0.000
n.C26	ace_egg - queen_egg	-0.022	0.158	229.0	-0.138	0.890	1.000
n.C26	met_chc - met_dg	-2.024	0.181	229.0	-11.209	0.000	0.000
n.C26	met_chc - met_egg	0.153	0.161	229.0	0.949	0.343	1.000
n.C26	met_chc - pre_chc	0.031	0.158	229.0	0.196	0.845	1.000
n.C26	met_chc - pre_dg	-1.405	0.160	229.0	-8.801	0.000	0.000
n.C26	met_chc - pre_egg	-0.057	0.160	229.0	-0.356	0.722	1.000
n.C26	met_chc - queen_chc	-1.100	0.291	229.0	-3.775	0.000	0.593
n.C26	met_chc - queen_dg	-2.062	0.222	229.0	-9.291	0.000	0.000
n.C26	met_chc - queen_egg	-0.070	0.155	229.0	-0.448	0.655	1.000
n.C26	met_dg - met_egg	2.177	0.177	229.0	12.282	0.000	0.000
n.C26	met_dg - pre_chc	2.055	0.174	229.0	11.780	0.000	0.000
n.C26	met_dg - pre_dg	0.619	0.176	229.0	3.523	0.001	1.000
n.C26	met_dg - pre_egg	1.967	0.176	229.0	11.190	0.000	0.000
n.C26	met_dg - queen_chc	0.924	0.301	229.0	3.075	0.002	1.000
n.C26	met_dg - queen_dg	-0.038	0.234	229.0	-0.162	0.872	1.000
n.C26	met_dg - queen_egg	1.955	0.172	229.0	11.363	0.000	0.000
n.C26	met_egg - pre_chc	-0.122	0.154	229.0	-0.791	0.430	1.000
n.C26	met_egg - pre_dg	-1.558	0.156	229.0	-9.995	0.000	0.000
n.C26	met_egg - pre_egg	-0.210	0.156	229.0	-1.347	0.179	1.000
n.C26	met_egg - queen_chc	-1.253	0.289	229.0	-4.330	0.000	0.065
n.C26	met_egg - queen_dg	-2.215	0.219	229.0	-10.103	0.000	0.000
n.C26	met_egg - queen_egg	-0.223	0.152	229.0	-1.469	0.143	1.000
n.C26	pre_chc - pre_dg	-1.436	0.153	229.0	-9.406	0.000	0.000
n.C26	pre_chc - pre_egg	-0.088	0.153	229.0	-0.575	0.566	1.000
n.C26	pre_chc - queen_chc	-1.131	0.288	229.0	-3.932	0.000	0.325
n.C26	pre_chc - queen_dg	-2.093	0.217	229.0	-9.646	0.000	0.000
n.C26	pre_chc - queen_egg	-0.101	0.148	229.0	-0.678	0.498	1.000
n.C26	pre_dg - pre_egg	1.348	0.154	229.0	8.742	0.000	0.000
n.C26	pre_dg - queen_chc	0.305	0.288	229.0	1.057	0.292	1.000
n.C26	pre_dg - queen_dg	-0.657	0.218	229.0	-3.014	0.003	1.000
n.C26	pre_dg - queen_egg	1.335	0.150	229.0	8.910	0.000	0.000
n.C26	pre_egg - queen_chc	-1.043	0.288	229.0	-3.616	0.000	1.000
n.C26	pre_egg - queen_dg	-2.005	0.218	229.0	-9.195	0.000	0.000
n.C26	pre_egg - queen_egg	-0.013	0.150	229.0	-0.085	0.932	1.000
n.C26	queen_chc - queen_dg	-0.962	0.327	229.0	-2.941	0.004	1.000
n.C26	queen_chc - queen_egg	1.030	0.286	229.0	3.601	0.000	1.000
n.C26	queen_dg - queen_egg	1.992	0.215	229.0	9.266	0.000	0.000
n.C27	ace_chc - ace_dg	5.430	0.605	229.0	8.983	0.000	0.000
n.C27	ace_chc - ace_egg	-0.294	0.641	229.0	-0.458	0.647	1.000
n.C27	ace_chc - met_chc	-0.163	0.633	229.0	-0.258	0.797	1.000
n.C27	ace_chc - met_dg	6.846	0.698	229.0	9.808	0.000	0.000
n.C27	ace_chc - met_egg	-0.041	0.618	229.0	-0.067	0.947	1.000
n.C27	ace_chc - pre_chc	-0.021	0.605	229.0	-0.035	0.973	1.000
n.C27	ace_chc - pre_dg	6.378	0.611	229.0	10.442	0.000	0.000
n.C27	ace_chc - pre_egg	-0.157	0.611	229.0	-0.257	0.798	1.000
n.C27	ace_chc - queen_chc	-1.225	1.151	229.0	-1.064	0.288	1.000
n.C27	ace_chc - queen_dg	3.642	0.868	229.0	4.196	0.000	0.113
n.C27	ace_chc - queen_egg	-0.082	0.593	229.0	-0.139	0.890	1.000
n.C27	ace_dg - ace_egg	-5.724	0.641	229.0	-8.927	0.000	0.000
n.C27	ace_dg - met_chc	-5.593	0.633	229.0	-8.841	0.000	0.000
n.C27	ace_dg - met_dg	1.416	0.698	229.0	2.029	0.044	1.000
n.C27	ace_dg - met_egg	-5.472	0.618	229.0	-8.861	0.000	0.000
n.C27	ace_dg - pre_chc	-5.451	0.605	229.0	-9.017	0.000	0.000
n.C27	ace_dg - pre_dg	0.947	0.611	229.0	1.551	0.122	1.000
n.C27	ace_dg - pre_egg	-5.587	0.611	229.0	-9.147	0.000	0.000
n.C27	ace_dg - queen_chc	-6.655	1.151	229.0	-5.782	0.000	0.000
n.C27	ace_dg - queen_dg	-1.788	0.868	229.0	-2.059	0.041	1.000
n.C27	ace_dg - queen_egg	-5.513	0.593	229.0	-9.293	0.000	0.000
n.C27	ace_egg - met_chc	0.131	0.668	229.0	0.196	0.845	1.000
n.C27	ace_egg - met_dg	7.140	0.730	229.0	9.781	0.000	0.000

n.C27	ace_egg - met_egg	0.253	0.653	229.0	0.386	0.699	1.000
n.C27	ace_egg - pre_chc	0.273	0.641	229.0	0.426	0.671	1.000
n.C27	ace_egg - pre_dg	6.671	0.647	229.0	10.310	0.000	0.000
n.C27	ace_egg - pre_egg	0.137	0.647	229.0	0.212	0.832	1.000
n.C27	ace_egg - queen_chc	-0.931	1.171	229.0	-0.795	0.427	1.000
n.C27	ace_egg - queen_dg	3.936	0.894	229.0	4.403	0.000	0.048
n.C27	ace_egg - queen_egg	0.211	0.631	229.0	0.335	0.738	1.000
n.C27	met_chc - met_dg	7.009	0.723	229.0	9.701	0.000	0.000
n.C27	met_chc - met_egg	0.122	0.645	229.0	0.189	0.850	1.000
n.C27	met_chc - pre_chc	0.142	0.633	229.0	0.225	0.822	1.000
n.C27	met_chc - pre_dg	6.541	0.639	229.0	10.242	0.000	0.000
n.C27	met_chc - pre_egg	0.006	0.639	229.0	0.010	0.992	1.000
n.C27	met_chc - queen_chc	-1.062	1.166	229.0	-0.911	0.364	1.000
n.C27	met_chc - queen_dg	3.806	0.888	229.0	4.286	0.000	0.078
n.C27	met_chc - queen_egg	0.081	0.622	229.0	0.130	0.897	1.000
n.C27	met_dg - met_egg	-6.888	0.709	229.0	-9.710	0.000	0.000
n.C27	met_dg - pre_chc	-6.867	0.698	229.0	-9.838	0.000	0.000
n.C27	met_dg - pre_dg	-0.469	0.703	229.0	-0.666	0.506	1.000
n.C27	met_dg - pre_egg	-7.003	0.703	229.0	-9.955	0.000	0.000
n.C27	met_dg - queen_chc	-8.071	1.203	229.0	-6.711	0.000	0.000
n.C27	met_dg - queen_dg	-3.204	0.936	229.0	-3.424	0.001	1.000
n.C27	met_dg - queen_egg	-6.929	0.688	229.0	-10.067	0.000	0.000
n.C27	met_egg - pre_chc	0.020	0.618	229.0	0.033	0.974	1.000
n.C27	met_egg - pre_dg	6.419	0.624	229.0	10.292	0.000	0.000
n.C27	met_egg - pre_egg	-0.115	0.624	229.0	-0.185	0.853	1.000
n.C27	met_egg - queen_chc	-1.183	1.158	229.0	-1.022	0.308	1.000
n.C27	met_egg - queen_dg	3.684	0.877	229.0	4.199	0.000	0.111
n.C27	met_egg - queen_egg	-0.041	0.606	229.0	-0.068	0.946	1.000
n.C27	pre_chc - pre_dg	6.399	0.611	229.0	10.476	0.000	0.000
n.C27	pre_chc - pre_egg	-0.136	0.611	229.0	-0.222	0.824	1.000
n.C27	pre_chc - queen_chc	-1.204	1.151	229.0	-1.046	0.297	1.000
n.C27	pre_chc - queen_dg	3.663	0.868	229.0	4.220	0.000	0.102
n.C27	pre_chc - queen_egg	-0.061	0.593	229.0	-0.104	0.918	1.000
n.C27	pre_dg - pre_egg	-6.534	0.617	229.0	-10.591	0.000	0.000
n.C27	pre_dg - queen_chc	-7.602	1.154	229.0	-6.586	0.000	0.000
n.C27	pre_dg - queen_dg	-2.735	0.873	229.0	-3.135	0.002	1.000
n.C27	pre_dg - queen_egg	-6.460	0.600	229.0	-10.774	0.000	0.000
n.C27	pre_egg - queen_chc	-1.068	1.154	229.0	-0.925	0.356	1.000
n.C27	pre_egg - queen_dg	3.799	0.873	229.0	4.354	0.000	0.059
n.C27	pre_egg - queen_egg	0.074	0.600	229.0	0.124	0.901	1.000
n.C27	queen_chc - queen_dg	4.867	1.309	229.0	3.719	0.000	0.731
n.C27	queen_chc - queen_egg	1.142	1.145	229.0	0.998	0.320	1.000
n.C27	queen_dg - queen_egg	-3.725	0.860	229.0	-4.329	0.000	0.065
n.C28...3.9...3.11.diMeC27	ace_chc - ace_dg	-2.846	0.140	229.0	-20.292	0.000	0.000
n.C28...3.9...3.11.diMeC27	ace_chc - ace_egg	-0.619	0.149	229.0	-4.161	0.000	0.130
n.C28...3.9...3.11.diMeC27	ace_chc - met_chc	-0.018	0.147	229.0	-0.126	0.900	1.000
n.C28...3.9...3.11.diMeC27	ace_chc - met_dg	-3.182	0.162	229.0	-19.648	0.000	0.000
n.C28...3.9...3.11.diMeC27	ace_chc - met_egg	-0.561	0.143	229.0	-3.917	0.000	0.344
n.C28...3.9...3.11.diMeC27	ace_chc - pre_chc	0.039	0.140	229.0	0.279	0.781	1.000
n.C28...3.9...3.11.diMeC27	ace_chc - pre_dg	-2.792	0.142	229.0	-19.703	0.000	0.000
n.C28...3.9...3.11.diMeC27	ace_chc - pre_egg	-0.761	0.142	229.0	-5.367	0.000	0.001
n.C28...3.9...3.11.diMeC27	ace_chc - queen_chc	-0.444	0.267	229.0	-1.662	0.098	1.000
n.C28...3.9...3.11.diMeC27	ace_chc - queen_dg	-3.555	0.201	229.0	-17.649	0.000	0.000
n.C28...3.9...3.11.diMeC27	ace_chc - queen_egg	-0.199	0.138	229.0	-1.446	0.149	1.000
n.C28...3.9...3.11.diMeC27	ace_dg - ace_egg	2.227	0.149	229.0	14.970	0.000	0.000
n.C28...3.9...3.11.diMeC27	ace_dg - met_chc	2.828	0.147	229.0	19.264	0.000	0.000
n.C28...3.9...3.11.diMeC27	ace_dg - met_dg	-0.336	0.162	229.0	-2.074	0.039	1.000
n.C28...3.9...3.11.diMeC27	ace_dg - met_egg	2.285	0.143	229.0	15.948	0.000	0.000
n.C28...3.9...3.11.diMeC27	ace_dg - pre_chc	2.886	0.140	229.0	20.571	0.000	0.000
n.C28...3.9...3.11.diMeC27	ace_dg - pre_dg	0.054	0.142	229.0	0.380	0.704	1.000
n.C28...3.9...3.11.diMeC27	ace_dg - pre_egg	2.086	0.142	229.0	14.717	0.000	0.000
n.C28...3.9...3.11.diMeC27	ace_dg - queen_chc	2.403	0.267	229.0	8.996	0.000	0.000
n.C28...3.9...3.11.diMeC27	ace_dg - queen_dg	-0.709	0.201	229.0	-3.519	0.001	1.000
n.C28...3.9...3.11.diMeC27	ace_dg - queen_egg	2.647	0.138	229.0	19.232	0.000	0.000

n.C28...3.9...3.11.diMeC27	ace_egg - met_chc	0.601	0.155	229.0	3.876	0.000	0.403
n.C28...3.9...3.11.diMeC27	ace_egg - met_dg	-2.563	0.169	229.0	-15.132	0.000	0.000
n.C28...3.9...3.11.diMeC27	ace_egg - met_egg	0.058	0.152	229.0	0.382	0.703	1.000
n.C28...3.9...3.11.diMeC27	ace_egg - pre_chc	0.658	0.149	229.0	4.424	0.000	0.044
n.C28...3.9...3.11.diMeC27	ace_egg - pre_dg	-2.173	0.150	229.0	-14.474	0.000	0.000
n.C28...3.9...3.11.diMeC27	ace_egg - pre_egg	-0.142	0.150	229.0	-0.942	0.347	1.000
n.C28...3.9...3.11.diMeC27	ace_egg - queen_chc	0.175	0.272	229.0	0.645	0.520	1.000
n.C28...3.9...3.11.diMeC27	ace_egg - queen_dg	-2.936	0.207	229.0	-14.153	0.000	0.000
n.C28...3.9...3.11.diMeC27	ace_egg - queen_egg	0.420	0.146	229.0	2.871	0.004	1.000
n.C28...3.9...3.11.diMeC27	met_chc - met_dg	-3.164	0.168	229.0	-18.871	0.000	0.000
n.C28...3.9...3.11.diMeC27	met_chc - met_egg	-0.543	0.150	229.0	-3.626	0.000	1.000
n.C28...3.9...3.11.diMeC27	met_chc - pre_chc	0.058	0.147	229.0	0.392	0.695	1.000
n.C28...3.9...3.11.diMeC27	met_chc - pre_dg	-2.774	0.148	229.0	-18.719	0.000	0.000
n.C28...3.9...3.11.diMeC27	met_chc - pre_egg	-0.742	0.148	229.0	-5.008	0.000	0.003
n.C28...3.9...3.11.diMeC27	met_chc - queen_chc	-0.425	0.271	229.0	-1.572	0.117	1.000
n.C28...3.9...3.11.diMeC27	met_chc - queen_dg	-3.537	0.206	229.0	-17.165	0.000	0.000
n.C28...3.9...3.11.diMeC27	met_chc - queen_egg	-0.181	0.144	229.0	-1.251	0.212	1.000
n.C28...3.9...3.11.diMeC27	met_dg - met_egg	2.621	0.165	229.0	15.925	0.000	0.000
n.C28...3.9...3.11.diMeC27	met_dg - pre_chc	3.221	0.162	229.0	19.889	0.000	0.000
n.C28...3.9...3.11.diMeC27	met_dg - pre_dg	0.390	0.163	229.0	2.389	0.018	1.000
n.C28...3.9...3.11.diMeC27	met_dg - pre_egg	2.422	0.163	229.0	14.836	0.000	0.000
n.C28...3.9...3.11.diMeC27	met_dg - queen_chc	2.739	0.279	229.0	9.813	0.000	0.000
n.C28...3.9...3.11.diMeC27	met_dg - queen_dg	-0.373	0.217	229.0	-1.718	0.087	1.000
n.C28...3.9...3.11.diMeC27	met_dg - queen_egg	2.983	0.160	229.0	18.680	0.000	0.000
n.C28...3.9...3.11.diMeC27	met_egg - pre_chc	0.600	0.143	229.0	4.189	0.000	0.116
n.C28...3.9...3.11.diMeC27	met_egg - pre_dg	-2.231	0.145	229.0	-15.419	0.000	0.000
n.C28...3.9...3.11.diMeC27	met_egg - pre_egg	-0.199	0.145	229.0	-1.378	0.170	1.000
n.C28...3.9...3.11.diMeC27	met_egg - queen_chc	0.117	0.269	229.0	0.437	0.663	1.000
n.C28...3.9...3.11.diMeC27	met_egg - queen_dg	-2.994	0.204	229.0	-14.709	0.000	0.000
n.C28...3.9...3.11.diMeC27	met_egg - queen_egg	0.362	0.141	229.0	2.573	0.011	1.000
n.C28...3.9...3.11.diMeC27	pre_chc - pre_dg	-2.832	0.142	229.0	-19.979	0.000	0.000
n.C28...3.9...3.11.diMeC27	pre_chc - pre_egg	-0.800	0.142	229.0	-5.643	0.000	0.000
n.C28...3.9...3.11.diMeC27	pre_chc - queen_chc	-0.483	0.267	229.0	-1.808	0.072	1.000
n.C28...3.9...3.11.diMeC27	pre_chc - queen_dg	-3.594	0.201	229.0	-17.843	0.000	0.000
n.C28...3.9...3.11.diMeC27	pre_chc - queen_egg	-0.238	0.138	229.0	-1.730	0.085	1.000
n.C28...3.9...3.11.diMeC27	pre_dg - pre_egg	2.032	0.143	229.0	14.193	0.000	0.000
n.C28...3.9...3.11.diMeC27	pre_dg - queen_chc	2.349	0.268	229.0	8.769	0.000	0.000
n.C28...3.9...3.11.diMeC27	pre_dg - queen_dg	-0.763	0.202	229.0	-3.768	0.000	0.608
n.C28...3.9...3.11.diMeC27	pre_dg - queen_egg	2.593	0.139	229.0	18.640	0.000	0.000
n.C28...3.9...3.11.diMeC27	pre_egg - queen_chc	0.317	0.268	229.0	1.183	0.238	1.000
n.C28...3.9...3.11.diMeC27	pre_egg - queen_dg	-2.795	0.202	229.0	-13.804	0.000	0.000
n.C28...3.9...3.11.diMeC27	pre_egg - queen_egg	0.562	0.139	229.0	4.036	0.000	0.215
n.C28...3.9...3.11.diMeC27	queen_chc - queen_dg	-3.111	0.304	229.0	-10.245	0.000	0.000
n.C28...3.9...3.11.diMeC27	queen_chc - queen_egg	0.245	0.266	229.0	0.921	0.358	1.000
n.C28...3.9...3.11.diMeC27	queen_dg - queen_egg	3.356	0.200	229.0	16.812	0.000	0.000
n.C29	ace_chc - ace_dg	5.261	0.790	229.0	6.659	0.000	0.000
n.C29	ace_chc - ace_egg	-1.993	0.838	229.0	-2.379	0.018	1.000
n.C29	ace_chc - met_chc	-0.420	0.827	229.0	-0.509	0.612	1.000
n.C29	ace_chc - met_dg	5.320	0.912	229.0	5.832	0.000	0.000
n.C29	ace_chc - met_egg	-3.041	0.807	229.0	-3.769	0.000	0.607
n.C29	ace_chc - pre_chc	0.120	0.790	229.0	0.151	0.880	1.000
n.C29	ace_chc - pre_dg	6.442	0.798	229.0	8.071	0.000	0.000
n.C29	ace_chc - pre_egg	-2.936	0.798	229.0	-3.678	0.000	0.850
n.C29	ace_chc - queen_chc	-1.070	1.504	229.0	-0.711	0.478	1.000
n.C29	ace_chc - queen_dg	5.591	1.134	229.0	4.928	0.000	0.005
n.C29	ace_chc - queen_egg	-0.836	0.775	229.0	-1.078	0.282	1.000
n.C29	ace_dg - ace_egg	-7.254	0.838	229.0	-8.657	0.000	0.000
n.C29	ace_dg - met_chc	-5.681	0.827	229.0	-6.872	0.000	0.000
n.C29	ace_dg - met_dg	0.059	0.912	229.0	0.065	0.949	1.000
n.C29	ace_dg - met_egg	-8.302	0.807	229.0	-10.288	0.000	0.000
n.C29	ace_dg - pre_chc	-5.141	0.790	229.0	-6.508	0.000	0.000
n.C29	ace_dg - pre_dg	1.181	0.798	229.0	1.480	0.140	1.000
n.C29	ace_dg - pre_egg	-8.196	0.798	229.0	-10.269	0.000	0.000
n.C29	ace_dg - queen_chc	-6.330	1.504	229.0	-4.209	0.000	0.107

n.C29	ace_dg - queen_dg	0.331	1.134	229.0	0.291	0.771	1.000
n.C29	ace_dg - queen_egg	-6.096	0.775	229.0	-7.864	0.000	0.000
n.C29	ace_egg - met_chc	1.573	0.873	229.0	1.802	0.073	1.000
n.C29	ace_egg - met_dg	7.313	0.954	229.0	7.666	0.000	0.000
n.C29	ace_egg - met_egg	-1.048	0.854	229.0	-1.227	0.221	1.000
n.C29	ace_egg - pre_chc	2.113	0.838	229.0	2.521	0.012	1.000
n.C29	ace_egg - pre_dg	8.435	0.846	229.0	9.975	0.000	0.000
n.C29	ace_egg - pre_egg	-0.943	0.846	229.0	-1.115	0.266	1.000
n.C29	ace_egg - queen_chc	0.923	1.530	229.0	0.604	0.547	1.000
n.C29	ace_egg - queen_dg	7.584	1.168	229.0	6.491	0.000	0.000
n.C29	ace_egg - queen_egg	1.157	0.824	229.0	1.404	0.162	1.000
n.C29	met_chc - met_dg	5.740	0.944	229.0	6.079	0.000	0.000
n.C29	met_chc - met_egg	-2.621	0.843	229.0	-3.109	0.002	1.000
n.C29	met_chc - pre_chc	0.540	0.827	229.0	0.653	0.514	1.000
n.C29	met_chc - pre_dg	6.862	0.835	229.0	8.223	0.000	0.000
n.C29	met_chc - pre_egg	-2.515	0.835	229.0	-3.014	0.003	1.000
n.C29	met_chc - queen_chc	-0.649	1.524	229.0	-0.426	0.670	1.000
n.C29	met_chc - queen_dg	6.012	1.160	229.0	5.181	0.000	0.001
n.C29	met_chc - queen_egg	-0.415	0.813	229.0	-0.511	0.610	1.000
n.C29	met_dg - met_egg	-8.361	0.927	229.0	-9.020	0.000	0.000
n.C29	met_dg - pre_chc	-5.200	0.912	229.0	-5.701	0.000	0.000
n.C29	met_dg - pre_dg	1.123	0.919	229.0	1.221	0.223	1.000
n.C29	met_dg - pre_egg	-8.255	0.919	229.0	-8.980	0.000	0.000
n.C29	met_dg - queen_chc	-6.389	1.572	229.0	-4.065	0.000	0.192
n.C29	met_dg - queen_dg	0.272	1.223	229.0	0.222	0.824	1.000
n.C29	met_dg - queen_egg	-6.155	0.899	229.0	-6.844	0.000	0.000
n.C29	met_egg - pre_chc	3.161	0.807	229.0	3.917	0.000	0.344
n.C29	met_egg - pre_dg	9.483	0.815	229.0	11.636	0.000	0.000
n.C29	met_egg - pre_egg	0.105	0.815	229.0	0.129	0.897	1.000
n.C29	met_egg - queen_chc	1.971	1.513	229.0	1.303	0.194	1.000
n.C29	met_egg - queen_dg	8.632	1.146	229.0	7.530	0.000	0.000
n.C29	met_egg - queen_egg	2.205	0.792	229.0	2.783	0.006	1.000
n.C29	pre_chc - pre_dg	6.322	0.798	229.0	7.922	0.000	0.000
n.C29	pre_chc - pre_egg	-3.055	0.798	229.0	-3.828	0.000	0.484
n.C29	pre_chc - queen_chc	-1.189	1.504	229.0	-0.791	0.430	1.000
n.C29	pre_chc - queen_dg	5.472	1.134	229.0	4.823	0.000	0.007
n.C29	pre_chc - queen_egg	-0.955	0.775	229.0	-1.233	0.219	1.000
n.C29	pre_dg - pre_egg	-9.378	0.806	229.0	-11.631	0.000	0.000
n.C29	pre_dg - queen_chc	-7.512	1.508	229.0	-4.980	0.000	0.004
n.C29	pre_dg - queen_dg	-0.851	1.140	229.0	-0.746	0.456	1.000
n.C29	pre_dg - queen_egg	-7.278	0.784	229.0	-9.289	0.000	0.000
n.C29	pre_egg - queen_chc	1.866	1.508	229.0	1.237	0.217	1.000
n.C29	pre_egg - queen_dg	8.527	1.140	229.0	7.478	0.000	0.000
n.C29	pre_egg - queen_egg	2.100	0.784	229.0	2.680	0.008	1.000
n.C29	queen_chc - queen_dg	6.661	1.710	229.0	3.895	0.000	0.375
n.C29	queen_chc - queen_egg	0.234	1.496	229.0	0.156	0.876	1.000
n.C29	queen_dg - queen_egg	-6.427	1.124	229.0	-5.717	0.000	0.000
n.C30	ace_chc - ace_dg	0.000	0.229	229.0	0.002	0.998	1.000
n.C30	ace_chc - ace_egg	-9.301	0.243	229.0	-38.269	0.000	0.000
n.C30	ace_chc - met_chc	0.000	0.240	229.0	0.000	1.000	1.000
n.C30	ace_chc - met_dg	0.000	0.265	229.0	0.001	0.999	1.000
n.C30	ace_chc - met_egg	-9.158	0.234	229.0	-39.124	0.000	0.000
n.C30	ace_chc - pre_chc	0.000	0.229	229.0	0.000	1.000	1.000
n.C30	ace_chc - pre_dg	0.000	0.232	229.0	0.002	0.999	1.000
n.C30	ace_chc - pre_egg	-9.499	0.232	229.0	-41.028	0.000	0.000
n.C30	ace_chc - queen_chc	0.000	0.436	229.0	0.000	1.000	1.000
n.C30	ace_chc - queen_dg	0.000	0.329	229.0	0.001	1.000	1.000
n.C30	ace_chc - queen_egg	-8.947	0.225	229.0	-39.790	0.000	0.000
n.C30	ace_dg - ace_egg	-9.302	0.243	229.0	-38.271	0.000	0.000
n.C30	ace_dg - met_chc	0.000	0.240	229.0	-0.002	0.999	1.000
n.C30	ace_dg - met_dg	0.000	0.265	229.0	-0.001	0.999	1.000
n.C30	ace_dg - met_egg	-9.158	0.234	229.0	-39.126	0.000	0.000
n.C30	ace_dg - pre_chc	0.000	0.229	229.0	-0.002	0.998	1.000
n.C30	ace_dg - pre_dg	0.000	0.232	229.0	0.000	1.000	1.000

n.C30	ace_dg - pre_egg	-9.499	0.232	229.0	-41.030	0.000	0.000
n.C30	ace_dg - queen_chc	-0.001	0.436	229.0	-0.001	0.999	1.000
n.C30	ace_dg - queen_dg	0.000	0.329	229.0	-0.001	0.999	1.000
n.C30	ace_dg - queen_egg	-8.948	0.225	229.0	-39.792	0.000	0.000
n.C30	ace_egg - met_chc	9.301	0.253	229.0	36.746	0.000	0.000
n.C30	ace_egg - met_dg	9.301	0.277	229.0	33.613	0.000	0.000
n.C30	ace_egg - met_egg	0.143	0.248	229.0	0.579	0.563	1.000
n.C30	ace_egg - pre_chc	9.301	0.243	229.0	38.269	0.000	0.000
n.C30	ace_egg - pre_dg	9.301	0.245	229.0	37.921	0.000	0.000
n.C30	ace_egg - pre_egg	-0.198	0.245	229.0	-0.805	0.421	1.000
n.C30	ace_egg - queen_chc	9.301	0.444	229.0	20.961	0.000	0.000
n.C30	ace_egg - queen_dg	9.301	0.339	229.0	27.445	0.000	0.000
n.C30	ace_egg - queen_egg	0.354	0.239	229.0	1.481	0.140	1.000
n.C30	met_chc - met_dg	0.000	0.274	229.0	0.001	0.999	1.000
n.C30	met_chc - met_egg	-9.158	0.245	229.0	-37.452	0.000	0.000
n.C30	met_chc - pre_chc	0.000	0.240	229.0	0.000	1.000	1.000
n.C30	met_chc - pre_dg	0.000	0.242	229.0	0.001	0.999	1.000
n.C30	met_chc - pre_egg	-9.499	0.242	229.0	-39.238	0.000	0.000
n.C30	met_chc - queen_chc	0.000	0.442	229.0	0.000	1.000	1.000
n.C30	met_chc - queen_dg	0.000	0.337	229.0	0.001	1.000	1.000
n.C30	met_chc - queen_egg	-8.947	0.236	229.0	-37.957	0.000	0.000
n.C30	met_dg - met_egg	-9.158	0.269	229.0	-34.061	0.000	0.000
n.C30	met_dg - pre_chc	0.000	0.265	229.0	-0.001	0.999	1.000
n.C30	met_dg - pre_dg	0.000	0.267	229.0	0.001	1.000	1.000
n.C30	met_dg - pre_egg	-9.499	0.267	229.0	-35.623	0.000	0.000
n.C30	met_dg - queen_chc	0.000	0.456	229.0	-0.001	0.999	1.000
n.C30	met_dg - queen_dg	0.000	0.355	229.0	0.000	1.000	1.000
n.C30	met_dg - queen_egg	-8.947	0.261	229.0	-34.295	0.000	0.000
n.C30	met_egg - pre_chc	9.158	0.234	229.0	39.124	0.000	0.000
n.C30	met_egg - pre_dg	9.158	0.236	229.0	38.741	0.000	0.000
n.C30	met_egg - pre_egg	-0.341	0.236	229.0	-1.442	0.151	1.000
n.C30	met_egg - queen_chc	9.158	0.439	229.0	20.866	0.000	0.000
n.C30	met_egg - queen_dg	9.158	0.333	229.0	27.540	0.000	0.000
n.C30	met_egg - queen_egg	0.211	0.230	229.0	0.916	0.360	1.000
n.C30	pre_chc - pre_dg	0.000	0.232	229.0	0.002	0.999	1.000
n.C30	pre_chc - pre_egg	-9.499	0.232	229.0	-41.028	0.000	0.000
n.C30	pre_chc - queen_chc	0.000	0.436	229.0	0.000	1.000	1.000
n.C30	pre_chc - queen_dg	0.000	0.329	229.0	0.001	0.999	1.000
n.C30	pre_chc - queen_egg	-8.947	0.225	229.0	-39.790	0.000	0.000
n.C30	pre_dg - pre_egg	-9.499	0.234	229.0	-40.617	0.000	0.000
n.C30	pre_dg - queen_chc	0.000	0.438	229.0	-0.001	0.999	1.000
n.C30	pre_dg - queen_dg	0.000	0.331	229.0	0.000	1.000	1.000
n.C30	pre_dg - queen_egg	-8.947	0.227	229.0	-39.368	0.000	0.000
n.C30	pre_egg - queen_chc	9.499	0.438	229.0	21.710	0.000	0.000
n.C30	pre_egg - queen_dg	9.499	0.331	229.0	28.720	0.000	0.000
n.C30	pre_egg - queen_egg	0.552	0.227	229.0	2.427	0.016	1.000
n.C30	queen_chc - queen_dg	0.000	0.496	229.0	0.001	0.999	1.000
n.C30	queen_chc - queen_egg	-8.947	0.434	229.0	-20.613	0.000	0.000
n.C30	queen_dg - queen_egg	-8.947	0.326	229.0	-27.436	0.000	0.000
n.C31	ace_chc - ace_dg	0.000	0.585	229.0	0.001	0.999	1.000
n.C31	ace_chc - ace_egg	-6.716	0.621	229.0	-10.818	0.000	0.000
n.C31	ace_chc - met_chc	0.000	0.613	229.0	0.000	1.000	1.000
n.C31	ace_chc - met_dg	0.000	0.676	229.0	0.000	1.000	1.000
n.C31	ace_chc - met_egg	-7.398	0.598	229.0	-12.374	0.000	0.000
n.C31	ace_chc - pre_chc	0.000	0.585	229.0	0.000	1.000	1.000
n.C31	ace_chc - pre_dg	0.000	0.591	229.0	0.001	1.000	1.000
n.C31	ace_chc - pre_egg	-7.682	0.591	229.0	-12.991	0.000	0.000
n.C31	ace_chc - queen_chc	0.000	1.114	229.0	0.000	1.000	1.000
n.C31	ace_chc - queen_dg	0.000	0.841	229.0	0.000	1.000	1.000
n.C31	ace_chc - queen_egg	-4.324	0.574	229.0	-7.529	0.000	0.000
n.C31	ace_dg - ace_egg	-6.716	0.621	229.0	-10.819	0.000	0.000
n.C31	ace_dg - met_chc	0.000	0.613	229.0	-0.001	0.999	1.000
n.C31	ace_dg - met_dg	0.000	0.676	229.0	0.000	1.000	1.000
n.C31	ace_dg - met_egg	-7.399	0.598	229.0	-12.374	0.000	0.000

n.C31	ace_dg - pre_chc	0.000	0.585	229.0	-0.001	0.999	1.000
n.C31	ace_dg - pre_dg	0.000	0.591	229.0	0.000	1.000	1.000
n.C31	ace_dg - pre_egg	-7.683	0.591	229.0	-12.991	0.000	0.000
n.C31	ace_dg - queen_chc	-0.001	1.114	229.0	0.000	1.000	1.000
n.C31	ace_dg - queen_dg	0.000	0.841	229.0	0.000	1.000	1.000
n.C31	ace_dg - queen_egg	-4.325	0.574	229.0	-7.530	0.000	0.000
n.C31	ace_egg - met_chc	6.716	0.647	229.0	10.387	0.000	0.000
n.C31	ace_egg - met_dg	6.716	0.707	229.0	9.502	0.000	0.000
n.C31	ace_egg - met_egg	-0.682	0.633	229.0	-1.078	0.282	1.000
n.C31	ace_egg - pre_chc	6.716	0.621	229.0	10.818	0.000	0.000
n.C31	ace_egg - pre_dg	6.716	0.627	229.0	10.720	0.000	0.000
n.C31	ace_egg - pre_egg	-0.966	0.627	229.0	-1.542	0.124	1.000
n.C31	ace_egg - queen_chc	6.716	1.133	229.0	5.925	0.000	0.000
n.C31	ace_egg - queen_dg	6.716	0.866	229.0	7.758	0.000	0.000
n.C31	ace_egg - queen_egg	2.391	0.611	229.0	3.917	0.000	0.344
n.C31	met_chc - met_dg	0.000	0.700	229.0	0.000	1.000	1.000
n.C31	met_chc - met_egg	-7.398	0.625	229.0	-11.845	0.000	0.000
n.C31	met_chc - pre_chc	0.000	0.613	229.0	0.000	1.000	1.000
n.C31	met_chc - pre_dg	0.000	0.618	229.0	0.001	1.000	1.000
n.C31	met_chc - pre_egg	-7.682	0.618	229.0	-12.424	0.000	0.000
n.C31	met_chc - queen_chc	0.000	1.129	229.0	0.000	1.000	1.000
n.C31	met_chc - queen_dg	0.000	0.860	229.0	0.000	1.000	1.000
n.C31	met_chc - queen_egg	-4.324	0.602	229.0	-7.182	0.000	0.000
n.C31	met_dg - met_egg	-7.398	0.687	229.0	-10.772	0.000	0.000
n.C31	met_dg - pre_chc	0.000	0.676	229.0	0.000	1.000	1.000
n.C31	met_dg - pre_dg	0.000	0.681	229.0	0.000	1.000	1.000
n.C31	met_dg - pre_egg	-7.682	0.681	229.0	-11.279	0.000	0.000
n.C31	met_dg - queen_chc	0.000	1.164	229.0	0.000	1.000	1.000
n.C31	met_dg - queen_dg	0.000	0.906	229.0	0.000	1.000	1.000
n.C31	met_dg - queen_egg	-4.325	0.666	229.0	-6.490	0.000	0.000
n.C31	met_egg - pre_chc	7.398	0.598	229.0	12.374	0.000	0.000
n.C31	met_egg - pre_dg	7.399	0.604	229.0	12.253	0.000	0.000
n.C31	met_egg - pre_egg	-0.284	0.604	229.0	-0.471	0.638	1.000
n.C31	met_egg - queen_chc	7.398	1.121	229.0	6.599	0.000	0.000
n.C31	met_egg - queen_dg	7.398	0.849	229.0	8.710	0.000	0.000
n.C31	met_egg - queen_egg	3.074	0.587	229.0	5.235	0.000	0.001
n.C31	pre_chc - pre_dg	0.000	0.591	229.0	0.001	0.999	1.000
n.C31	pre_chc - pre_egg	-7.682	0.591	229.0	-12.991	0.000	0.000
n.C31	pre_chc - queen_chc	0.000	1.114	229.0	0.000	1.000	1.000
n.C31	pre_chc - queen_dg	0.000	0.841	229.0	0.000	1.000	1.000
n.C31	pre_chc - queen_egg	-4.324	0.574	229.0	-7.529	0.000	0.000
n.C31	pre_dg - pre_egg	-7.683	0.597	229.0	-12.861	0.000	0.000
n.C31	pre_dg - queen_chc	0.000	1.118	229.0	0.000	1.000	1.000
n.C31	pre_dg - queen_dg	0.000	0.845	229.0	0.000	1.000	1.000
n.C31	pre_dg - queen_egg	-4.325	0.581	229.0	-7.450	0.000	0.000
n.C31	pre_egg - queen_chc	7.682	1.118	229.0	6.874	0.000	0.000
n.C31	pre_egg - queen_dg	7.682	0.845	229.0	9.094	0.000	0.000
n.C31	pre_egg - queen_egg	3.358	0.581	229.0	5.784	0.000	0.000
n.C31	queen_chc - queen_dg	0.000	1.267	229.0	0.000	1.000	1.000
n.C31	queen_chc - queen_egg	-4.324	1.109	229.0	-3.900	0.000	0.367
n.C31	queen_dg - queen_egg	-4.325	0.833	229.0	-5.192	0.000	0.001
X11..9.MeC23	ace_chc - ace_dg	1.861	0.454	229.0	4.098	0.000	0.168
X11..9.MeC23	ace_chc - ace_egg	1.861	0.482	229.0	3.864	0.000	0.422
X11..9.MeC23	ace_chc - met_chc	-2.108	0.475	229.0	-4.435	0.000	0.041
X11..9.MeC23	ace_chc - met_dg	1.860	0.524	229.0	3.548	0.000	1.000
X11..9.MeC23	ace_chc - met_egg	1.861	0.464	229.0	4.012	0.000	0.237
X11..9.MeC23	ace_chc - pre_chc	1.063	0.454	229.0	2.341	0.020	1.000
X11..9.MeC23	ace_chc - pre_dg	1.861	0.459	229.0	4.056	0.000	0.199
X11..9.MeC23	ace_chc - pre_egg	1.861	0.459	229.0	4.056	0.000	0.199
X11..9.MeC23	ace_chc - queen_chc	1.860	0.865	229.0	2.152	0.032	1.000
X11..9.MeC23	ace_chc - queen_dg	1.860	0.652	229.0	2.853	0.005	1.000
X11..9.MeC23	ace_chc - queen_egg	1.861	0.446	229.0	4.176	0.000	0.122
X11..9.MeC23	ace_dg - ace_egg	0.000	0.482	229.0	0.000	1.000	1.000
X11..9.MeC23	ace_dg - met_chc	-3.968	0.475	229.0	-8.351	0.000	0.000

X11..9.MeC23	ace_dg - met_dg	0.000	0.524	229.0	0.000	1.000	1.000
X11..9.MeC23	ace_dg - met_egg	0.000	0.464	229.0	0.000	1.000	1.000
X11..9.MeC23	ace_dg - pre_chc	-0.798	0.454	229.0	-1.757	0.080	1.000
X11..9.MeC23	ace_dg - pre_dg	0.000	0.459	229.0	0.000	1.000	1.000
X11..9.MeC23	ace_dg - pre_egg	0.000	0.459	229.0	0.000	1.000	1.000
X11..9.MeC23	ace_dg - queen_chc	-0.001	0.865	229.0	-0.001	0.999	1.000
X11..9.MeC23	ace_dg - queen_dg	0.000	0.652	229.0	0.000	1.000	1.000
X11..9.MeC23	ace_dg - queen_egg	0.000	0.446	229.0	0.000	1.000	1.000
X11..9.MeC23	ace_egg - met_chc	-3.968	0.502	229.0	-7.912	0.000	0.000
X11..9.MeC23	ace_egg - met_dg	0.000	0.548	229.0	-0.001	1.000	1.000
X11..9.MeC23	ace_egg - met_egg	0.000	0.491	229.0	0.000	1.000	1.000
X11..9.MeC23	ace_egg - pre_chc	-0.798	0.482	229.0	-1.657	0.099	1.000
X11..9.MeC23	ace_egg - pre_dg	0.000	0.486	229.0	0.000	1.000	1.000
X11..9.MeC23	ace_egg - pre_egg	0.000	0.486	229.0	0.000	1.000	1.000
X11..9.MeC23	ace_egg - queen_chc	-0.001	0.879	229.0	-0.001	0.999	1.000
X11..9.MeC23	ace_egg - queen_dg	0.000	0.672	229.0	0.000	1.000	1.000
X11..9.MeC23	ace_egg - queen_egg	0.000	0.474	229.0	0.000	1.000	1.000
X11..9.MeC23	met_chc - met_dg	3.968	0.543	229.0	7.312	0.000	0.000
X11..9.MeC23	met_chc - met_egg	3.968	0.485	229.0	8.190	0.000	0.000
X11..9.MeC23	met_chc - pre_chc	3.171	0.475	229.0	6.672	0.000	0.000
X11..9.MeC23	met_chc - pre_dg	3.968	0.480	229.0	8.272	0.000	0.000
X11..9.MeC23	met_chc - pre_egg	3.968	0.480	229.0	8.273	0.000	0.000
X11..9.MeC23	met_chc - queen_chc	3.968	0.876	229.0	4.530	0.000	0.028
X11..9.MeC23	met_chc - queen_dg	3.968	0.667	229.0	5.949	0.000	0.000
X11..9.MeC23	met_chc - queen_egg	3.968	0.467	229.0	8.496	0.000	0.000
X11..9.MeC23	met_dg - met_egg	0.000	0.533	229.0	0.001	1.000	1.000
X11..9.MeC23	met_dg - pre_chc	-0.798	0.524	229.0	-1.521	0.130	1.000
X11..9.MeC23	met_dg - pre_dg	0.000	0.528	229.0	0.000	1.000	1.000
X11..9.MeC23	met_dg - pre_egg	0.000	0.528	229.0	0.000	1.000	1.000
X11..9.MeC23	met_dg - queen_chc	0.000	0.903	229.0	0.000	1.000	1.000
X11..9.MeC23	met_dg - queen_dg	0.000	0.703	229.0	0.000	1.000	1.000
X11..9.MeC23	met_dg - queen_egg	0.000	0.517	229.0	0.001	0.999	1.000
X11..9.MeC23	met_egg - pre_chc	-0.798	0.464	229.0	-1.720	0.087	1.000
X11..9.MeC23	met_egg - pre_dg	0.000	0.468	229.0	0.000	1.000	1.000
X11..9.MeC23	met_egg - pre_egg	0.000	0.468	229.0	0.000	1.000	1.000
X11..9.MeC23	met_egg - queen_chc	-0.001	0.870	229.0	-0.001	0.999	1.000
X11..9.MeC23	met_egg - queen_dg	0.000	0.659	229.0	0.000	1.000	1.000
X11..9.MeC23	met_egg - queen_egg	0.000	0.456	229.0	0.000	1.000	1.000
X11..9.MeC23	pre_chc - pre_dg	0.798	0.459	229.0	1.739	0.083	1.000
X11..9.MeC23	pre_chc - pre_egg	0.798	0.459	229.0	1.739	0.083	1.000
X11..9.MeC23	pre_chc - queen_chc	0.797	0.865	229.0	0.922	0.357	1.000
X11..9.MeC23	pre_chc - queen_dg	0.798	0.652	229.0	1.223	0.223	1.000
X11..9.MeC23	pre_chc - queen_egg	0.798	0.446	229.0	1.791	0.075	1.000
X11..9.MeC23	pre_dg - pre_egg	0.000	0.463	229.0	0.000	1.000	1.000
X11..9.MeC23	pre_dg - queen_chc	0.000	0.867	229.0	-0.001	1.000	1.000
X11..9.MeC23	pre_dg - queen_dg	0.000	0.655	229.0	0.000	1.000	1.000
X11..9.MeC23	pre_dg - queen_egg	0.000	0.450	229.0	0.000	1.000	1.000
X11..9.MeC23	pre_egg - queen_chc	-0.001	0.867	229.0	-0.001	1.000	1.000
X11..9.MeC23	pre_egg - queen_dg	0.000	0.655	229.0	0.000	1.000	1.000
X11..9.MeC23	pre_egg - queen_egg	0.000	0.450	229.0	0.000	1.000	1.000
X11..9.MeC23	queen_chc - queen_dg	0.000	0.983	229.0	0.000	1.000	1.000
X11..9.MeC23	queen_chc - queen_egg	0.001	0.860	229.0	0.001	0.999	1.000
X11..9.MeC23	queen_dg - queen_egg	0.000	0.646	229.0	0.001	1.000	1.000
X12..10.MeC24	ace_chc - ace_dg	-8.860	0.805	229.0	-11.001	0.000	0.000
X12..10.MeC24	ace_chc - ace_egg	-6.689	0.854	229.0	-7.830	0.000	0.000
X12..10.MeC24	ace_chc - met_chc	0.000	0.843	229.0	0.000	1.000	1.000
X12..10.MeC24	ace_chc - met_dg	-7.543	0.930	229.0	-8.110	0.000	0.000
X12..10.MeC24	ace_chc - met_egg	-5.579	0.823	229.0	-6.781	0.000	0.000
X12..10.MeC24	ace_chc - pre_chc	0.000	0.805	229.0	0.000	1.000	1.000
X12..10.MeC24	ace_chc - pre_dg	-7.114	0.814	229.0	-8.742	0.000	0.000
X12..10.MeC24	ace_chc - pre_egg	-5.823	0.814	229.0	-7.156	0.000	0.000
X12..10.MeC24	ace_chc - queen_chc	0.000	1.533	229.0	0.000	1.000	1.000
X12..10.MeC24	ace_chc - queen_dg	-10.995	1.157	229.0	-9.505	0.000	0.000
X12..10.MeC24	ace_chc - queen_egg	-6.726	0.790	229.0	-8.510	0.000	0.000

X12..10.MeC24	ace_dg - ace_egg	2.171	0.854	229.0	2.542	0.012	1.000
X12..10.MeC24	ace_dg - met_chc	8.860	0.843	229.0	10.512	0.000	0.000
X12..10.MeC24	ace_dg - met_dg	1.317	0.930	229.0	1.417	0.158	1.000
X12..10.MeC24	ace_dg - met_egg	3.281	0.823	229.0	3.989	0.000	0.260
X12..10.MeC24	ace_dg - pre_chc	8.860	0.805	229.0	11.001	0.000	0.000
X12..10.MeC24	ace_dg - pre_dg	1.746	0.814	229.0	2.146	0.033	1.000
X12..10.MeC24	ace_dg - pre_egg	3.037	0.814	229.0	3.733	0.000	0.695
X12..10.MeC24	ace_dg - queen_chc	8.860	1.533	229.0	5.778	0.000	0.000
X12..10.MeC24	ace_dg - queen_dg	-2.135	1.157	229.0	-1.845	0.066	1.000
X12..10.MeC24	ace_dg - queen_egg	2.134	0.790	229.0	2.701	0.007	1.000
X12..10.MeC24	ace_egg - met_chc	6.689	0.890	229.0	7.519	0.000	0.000
X12..10.MeC24	ace_egg - met_dg	-0.854	0.973	229.0	-0.878	0.381	1.000
X12..10.MeC24	ace_egg - met_egg	1.110	0.871	229.0	1.275	0.203	1.000
X12..10.MeC24	ace_egg - pre_chc	6.689	0.854	229.0	7.830	0.000	0.000
X12..10.MeC24	ace_egg - pre_dg	-0.425	0.862	229.0	-0.493	0.623	1.000
X12..10.MeC24	ace_egg - pre_egg	0.866	0.862	229.0	1.005	0.316	1.000
X12..10.MeC24	ace_egg - queen_chc	6.689	1.560	229.0	4.289	0.000	0.077
X12..10.MeC24	ace_egg - queen_dg	-4.306	1.191	229.0	-3.615	0.000	1.000
X12..10.MeC24	ace_egg - queen_egg	-0.037	0.840	229.0	-0.044	0.965	1.000
X12..10.MeC24	met_chc - met_dg	-7.543	0.963	229.0	-7.835	0.000	0.000
X12..10.MeC24	met_chc - met_egg	-5.579	0.859	229.0	-6.491	0.000	0.000
X12..10.MeC24	met_chc - pre_chc	0.000	0.843	229.0	0.000	1.000	1.000
X12..10.MeC24	met_chc - pre_dg	-7.114	0.851	229.0	-8.361	0.000	0.000
X12..10.MeC24	met_chc - pre_egg	-5.823	0.851	229.0	-6.843	0.000	0.000
X12..10.MeC24	met_chc - queen_chc	0.000	1.553	229.0	0.000	1.000	1.000
X12..10.MeC24	met_chc - queen_dg	-10.995	1.183	229.0	-9.293	0.000	0.000
X12..10.MeC24	met_chc - queen_egg	-6.726	0.829	229.0	-8.118	0.000	0.000
X12..10.MeC24	met_dg - met_egg	1.964	0.945	229.0	2.078	0.039	1.000
X12..10.MeC24	met_dg - pre_chc	7.543	0.930	229.0	8.110	0.000	0.000
X12..10.MeC24	met_dg - pre_dg	0.429	0.937	229.0	0.458	0.648	1.000
X12..10.MeC24	met_dg - pre_egg	1.720	0.937	229.0	1.835	0.068	1.000
X12..10.MeC24	met_dg - queen_chc	7.543	1.602	229.0	4.707	0.000	0.013
X12..10.MeC24	met_dg - queen_dg	-3.452	1.247	229.0	-2.769	0.006	1.000
X12..10.MeC24	met_dg - queen_egg	0.817	0.917	229.0	0.891	0.374	1.000
X12..10.MeC24	met_egg - pre_chc	5.579	0.823	229.0	6.781	0.000	0.000
X12..10.MeC24	met_egg - pre_dg	-1.535	0.831	229.0	-1.848	0.066	1.000
X12..10.MeC24	met_egg - pre_egg	-0.244	0.831	229.0	-0.294	0.769	1.000
X12..10.MeC24	met_egg - queen_chc	5.579	1.543	229.0	3.616	0.000	1.000
X12..10.MeC24	met_egg - queen_dg	-5.416	1.169	229.0	-4.634	0.000	0.017
X12..10.MeC24	met_egg - queen_egg	-1.147	0.808	229.0	-1.420	0.157	1.000
X12..10.MeC24	pre_chc - pre_dg	-7.114	0.814	229.0	-8.742	0.000	0.000
X12..10.MeC24	pre_chc - pre_egg	-5.823	0.814	229.0	-7.156	0.000	0.000
X12..10.MeC24	pre_chc - queen_chc	0.000	1.533	229.0	0.000	1.000	1.000
X12..10.MeC24	pre_chc - queen_dg	-10.995	1.157	229.0	-9.505	0.000	0.000
X12..10.MeC24	pre_chc - queen_egg	-6.726	0.790	229.0	-8.510	0.000	0.000
X12..10.MeC24	pre_dg - pre_egg	1.291	0.822	229.0	1.571	0.118	1.000
X12..10.MeC24	pre_dg - queen_chc	7.114	1.538	229.0	4.626	0.000	0.018
X12..10.MeC24	pre_dg - queen_dg	-3.881	1.163	229.0	-3.338	0.001	1.000
X12..10.MeC24	pre_dg - queen_egg	0.388	0.799	229.0	0.486	0.628	1.000
X12..10.MeC24	pre_egg - queen_chc	5.823	1.538	229.0	3.786	0.000	0.567
X12..10.MeC24	pre_egg - queen_dg	-5.172	1.163	229.0	-4.449	0.000	0.039
X12..10.MeC24	pre_egg - queen_egg	-0.903	0.799	229.0	-1.130	0.260	1.000
X12..10.MeC24	queen_chc - queen_dg	-10.995	1.744	229.0	-6.305	0.000	0.000
X12..10.MeC24	queen_chc - queen_egg	-6.726	1.526	229.0	-4.409	0.000	0.046
X12..10.MeC24	queen_dg - queen_egg	4.269	1.146	229.0	3.724	0.000	0.716
X12..10.MeC26	ace_chc - ace_dg	0.359	0.140	229.0	2.565	0.011	1.000
X12..10.MeC26	ace_chc - ace_egg	0.825	0.148	229.0	5.562	0.000	0.000
X12..10.MeC26	ace_chc - met_chc	0.241	0.146	229.0	1.646	0.101	1.000
X12..10.MeC26	ace_chc - met_dg	-0.092	0.161	229.0	-0.569	0.570	1.000
X12..10.MeC26	ace_chc - met_egg	0.861	0.143	229.0	6.030	0.000	0.000
X12..10.MeC26	ace_chc - pre_chc	-0.013	0.140	229.0	-0.091	0.928	1.000
X12..10.MeC26	ace_chc - pre_dg	0.597	0.141	229.0	4.228	0.000	0.099
X12..10.MeC26	ace_chc - pre_egg	0.721	0.141	229.0	5.105	0.000	0.002
X12..10.MeC26	ace_chc - queen_chc	2.066	0.266	229.0	7.761	0.000	0.000

X12..10.MeC26	ace_chc - queen_dg	-0.412	0.201	229.0	-2.052	0.041	1.000
X12..10.MeC26	ace_chc - queen_egg	0.662	0.137	229.0	4.825	0.000	0.007
X12..10.MeC26	ace_dg - ace_egg	0.466	0.148	229.0	3.144	0.002	1.000
X12..10.MeC26	ace_dg - met_chc	-0.118	0.146	229.0	-0.805	0.422	1.000
X12..10.MeC26	ace_dg - met_dg	-0.451	0.161	229.0	-2.791	0.006	1.000
X12..10.MeC26	ace_dg - met_egg	0.503	0.143	229.0	3.519	0.001	1.000
X12..10.MeC26	ace_dg - pre_chc	-0.371	0.140	229.0	-2.656	0.008	1.000
X12..10.MeC26	ace_dg - pre_dg	0.239	0.141	229.0	1.689	0.093	1.000
X12..10.MeC26	ace_dg - pre_egg	0.363	0.141	229.0	2.566	0.011	1.000
X12..10.MeC26	ace_dg - queen_chc	1.707	0.266	229.0	6.414	0.000	0.000
X12..10.MeC26	ace_dg - queen_dg	-0.771	0.201	229.0	-3.839	0.000	0.465
X12..10.MeC26	ace_dg - queen_egg	0.303	0.137	229.0	2.211	0.028	1.000
X12..10.MeC26	ace_egg - met_chc	-0.584	0.154	229.0	-3.781	0.000	0.579
X12..10.MeC26	ace_egg - met_dg	-0.917	0.169	229.0	-5.430	0.000	0.000
X12..10.MeC26	ace_egg - met_egg	0.036	0.151	229.0	0.241	0.810	1.000
X12..10.MeC26	ace_egg - pre_chc	-0.838	0.148	229.0	-5.648	0.000	0.000
X12..10.MeC26	ace_egg - pre_dg	-0.228	0.150	229.0	-1.521	0.130	1.000
X12..10.MeC26	ace_egg - pre_egg	-0.104	0.150	229.0	-0.693	0.489	1.000
X12..10.MeC26	ace_egg - queen_chc	1.241	0.271	229.0	4.584	0.000	0.022
X12..10.MeC26	ace_egg - queen_dg	-1.237	0.207	229.0	-5.982	0.000	0.000
X12..10.MeC26	ace_egg - queen_egg	-0.163	0.146	229.0	-1.117	0.265	1.000
X12..10.MeC26	met_chc - met_dg	-0.333	0.167	229.0	-1.992	0.048	1.000
X12..10.MeC26	met_chc - met_egg	0.620	0.149	229.0	4.158	0.000	0.132
X12..10.MeC26	met_chc - pre_chc	-0.254	0.146	229.0	-1.733	0.084	1.000
X12..10.MeC26	met_chc - pre_dg	0.356	0.148	229.0	2.413	0.017	1.000
X12..10.MeC26	met_chc - pre_egg	0.480	0.148	229.0	3.251	0.001	1.000
X12..10.MeC26	met_chc - queen_chc	1.825	0.270	229.0	6.768	0.000	0.000
X12..10.MeC26	met_chc - queen_dg	-0.653	0.205	229.0	-3.180	0.002	1.000
X12..10.MeC26	met_chc - queen_egg	0.421	0.144	229.0	2.928	0.004	1.000
X12..10.MeC26	met_dg - met_egg	0.953	0.164	229.0	5.810	0.000	0.000
X12..10.MeC26	met_dg - pre_chc	0.079	0.161	229.0	0.491	0.624	1.000
X12..10.MeC26	met_dg - pre_dg	0.689	0.163	229.0	4.236	0.000	0.096
X12..10.MeC26	met_dg - pre_egg	0.813	0.163	229.0	4.997	0.000	0.003
X12..10.MeC26	met_dg - queen_chc	2.158	0.278	229.0	7.758	0.000	0.000
X12..10.MeC26	met_dg - queen_dg	-0.320	0.216	229.0	-1.480	0.140	1.000
X12..10.MeC26	met_dg - queen_egg	0.754	0.159	229.0	4.736	0.000	0.011
X12..10.MeC26	met_egg - pre_chc	-0.874	0.143	229.0	-6.119	0.000	0.000
X12..10.MeC26	met_egg - pre_dg	-0.264	0.144	229.0	-1.830	0.069	1.000
X12..10.MeC26	met_egg - pre_egg	-0.140	0.144	229.0	-0.971	0.332	1.000
X12..10.MeC26	met_egg - queen_chc	1.205	0.268	229.0	4.499	0.000	0.032
X12..10.MeC26	met_egg - queen_dg	-1.273	0.203	229.0	-6.276	0.000	0.000
X12..10.MeC26	met_egg - queen_egg	-0.199	0.140	229.0	-1.421	0.157	1.000
X12..10.MeC26	pre_chc - pre_dg	0.610	0.141	229.0	4.318	0.000	0.068
X12..10.MeC26	pre_chc - pre_egg	0.734	0.141	229.0	5.195	0.000	0.001
X12..10.MeC26	pre_chc - queen_chc	2.079	0.266	229.0	7.809	0.000	0.000
X12..10.MeC26	pre_chc - queen_dg	-0.399	0.201	229.0	-1.989	0.048	1.000
X12..10.MeC26	pre_chc - queen_egg	0.675	0.137	229.0	4.917	0.000	0.005
X12..10.MeC26	pre_dg - pre_egg	0.124	0.143	229.0	0.868	0.386	1.000
X12..10.MeC26	pre_dg - queen_chc	1.469	0.267	229.0	5.502	0.000	0.000
X12..10.MeC26	pre_dg - queen_dg	-1.009	0.202	229.0	-5.002	0.000	0.003
X12..10.MeC26	pre_dg - queen_egg	0.065	0.139	229.0	0.467	0.641	1.000
X12..10.MeC26	pre_egg - queen_chc	1.345	0.267	229.0	5.038	0.000	0.003
X12..10.MeC26	pre_egg - queen_dg	-1.133	0.202	229.0	-5.616	0.000	0.000
X12..10.MeC26	pre_egg - queen_egg	-0.059	0.139	229.0	-0.427	0.670	1.000
X12..10.MeC26	queen_chc - queen_dg	-2.478	0.303	229.0	-8.187	0.000	0.000
X12..10.MeC26	queen_chc - queen_egg	-1.404	0.265	229.0	-5.301	0.000	0.001
X12..10.MeC26	queen_dg - queen_egg	1.074	0.199	229.0	5.398	0.000	0.000
X12..10.MeC28	ace_chc - ace_dg	10.470	0.149	229.0	70.359	0.000	0.000
X12..10.MeC28	ace_chc - ace_egg	0.357	0.158	229.0	2.265	0.024	1.000
X12..10.MeC28	ace_chc - met_chc	0.228	0.156	229.0	1.462	0.145	1.000
X12..10.MeC28	ace_chc - met_dg	10.469	0.172	229.0	60.931	0.000	0.000
X12..10.MeC28	ace_chc - met_egg	-0.027	0.152	229.0	-0.176	0.861	1.000
X12..10.MeC28	ace_chc - pre_chc	-0.007	0.149	229.0	-0.044	0.965	1.000
X12..10.MeC28	ace_chc - pre_dg	10.470	0.150	229.0	69.636	0.000	0.000

X12..10.MeC28	ace_chc - pre_egg	0.072	0.150	229.0	0.477	0.634	1.000
X12..10.MeC28	ace_chc - queen_chc	1.882	0.283	229.0	6.642	0.000	0.000
X12..10.MeC28	ace_chc - queen_dg	10.469	0.214	229.0	48.990	0.000	0.000
X12..10.MeC28	ace_chc - queen_egg	0.180	0.146	229.0	1.229	0.220	1.000
X12..10.MeC28	ace_dg - ace_egg	-10.112	0.158	229.0	-64.070	0.000	0.000
X12..10.MeC28	ace_dg - met_chc	-10.242	0.156	229.0	-65.768	0.000	0.000
X12..10.MeC28	ace_dg - met_dg	0.000	0.172	229.0	-0.001	0.999	1.000
X12..10.MeC28	ace_dg - met_egg	-10.496	0.152	229.0	-69.053	0.000	0.000
X12..10.MeC28	ace_dg - pre_chc	-10.476	0.149	229.0	-70.402	0.000	0.000
X12..10.MeC28	ace_dg - pre_dg	0.000	0.150	229.0	0.000	1.000	1.000
X12..10.MeC28	ace_dg - pre_egg	-10.398	0.150	229.0	-69.160	0.000	0.000
X12..10.MeC28	ace_dg - queen_chc	-8.588	0.283	229.0	-30.312	0.000	0.000
X12..10.MeC28	ace_dg - queen_dg	0.000	0.214	229.0	-0.001	0.999	1.000
X12..10.MeC28	ace_dg - queen_egg	-10.290	0.146	229.0	-70.469	0.000	0.000
X12..10.MeC28	ace_egg - met_chc	-0.130	0.164	229.0	-0.790	0.430	1.000
X12..10.MeC28	ace_egg - met_dg	10.112	0.180	229.0	56.272	0.000	0.000
X12..10.MeC28	ace_egg - met_egg	-0.384	0.161	229.0	-2.389	0.018	1.000
X12..10.MeC28	ace_egg - pre_chc	-0.364	0.158	229.0	-2.306	0.022	1.000
X12..10.MeC28	ace_egg - pre_dg	10.112	0.159	229.0	63.484	0.000	0.000
X12..10.MeC28	ace_egg - pre_egg	-0.286	0.159	229.0	-1.794	0.074	1.000
X12..10.MeC28	ace_egg - queen_chc	1.524	0.288	229.0	5.290	0.000	0.001
X12..10.MeC28	ace_egg - queen_dg	10.112	0.220	229.0	45.946	0.000	0.000
X12..10.MeC28	ace_egg - queen_egg	-0.178	0.155	229.0	-1.146	0.253	1.000
X12..10.MeC28	met_chc - met_dg	10.242	0.178	229.0	57.585	0.000	0.000
X12..10.MeC28	met_chc - met_egg	-0.254	0.159	229.0	-1.602	0.111	1.000
X12..10.MeC28	met_chc - pre_chc	-0.234	0.156	229.0	-1.503	0.134	1.000
X12..10.MeC28	met_chc - pre_dg	10.242	0.157	229.0	65.151	0.000	0.000
X12..10.MeC28	met_chc - pre_egg	-0.156	0.157	229.0	-0.992	0.322	1.000
X12..10.MeC28	met_chc - queen_chc	1.654	0.287	229.0	5.764	0.000	0.000
X12..10.MeC28	met_chc - queen_dg	10.242	0.219	229.0	46.856	0.000	0.000
X12..10.MeC28	met_chc - queen_egg	-0.048	0.153	229.0	-0.314	0.754	1.000
X12..10.MeC28	met_dg - met_egg	-10.496	0.175	229.0	-60.114	0.000	0.000
X12..10.MeC28	met_dg - pre_chc	-10.476	0.172	229.0	-60.969	0.000	0.000
X12..10.MeC28	met_dg - pre_dg	0.000	0.173	229.0	0.001	0.999	1.000
X12..10.MeC28	met_dg - pre_egg	-10.398	0.173	229.0	-60.046	0.000	0.000
X12..10.MeC28	met_dg - queen_chc	-8.588	0.296	229.0	-29.007	0.000	0.000
X12..10.MeC28	met_dg - queen_dg	0.000	0.230	229.0	0.000	1.000	1.000
X12..10.MeC28	met_dg - queen_egg	-10.290	0.169	229.0	-60.736	0.000	0.000
X12..10.MeC28	met_egg - pre_chc	0.020	0.152	229.0	0.133	0.894	1.000
X12..10.MeC28	met_egg - pre_dg	10.496	0.154	229.0	68.373	0.000	0.000
X12..10.MeC28	met_egg - pre_egg	0.098	0.154	229.0	0.641	0.522	1.000
X12..10.MeC28	met_egg - queen_chc	1.909	0.285	229.0	6.697	0.000	0.000
X12..10.MeC28	met_egg - queen_dg	10.496	0.216	229.0	48.606	0.000	0.000
X12..10.MeC28	met_egg - queen_egg	0.206	0.149	229.0	1.382	0.168	1.000
X12..10.MeC28	pre_chc - pre_dg	10.476	0.150	229.0	69.680	0.000	0.000
X12..10.MeC28	pre_chc - pre_egg	0.078	0.150	229.0	0.520	0.603	1.000
X12..10.MeC28	pre_chc - queen_chc	1.888	0.283	229.0	6.665	0.000	0.000
X12..10.MeC28	pre_chc - queen_dg	10.476	0.214	229.0	49.021	0.000	0.000
X12..10.MeC28	pre_chc - queen_egg	0.186	0.146	229.0	1.274	0.204	1.000
X12..10.MeC28	pre_dg - pre_egg	-10.398	0.152	229.0	-68.465	0.000	0.000
X12..10.MeC28	pre_dg - queen_chc	-8.588	0.284	229.0	-30.225	0.000	0.000
X12..10.MeC28	pre_dg - queen_dg	0.000	0.215	229.0	-0.001	0.999	1.000
X12..10.MeC28	pre_dg - queen_egg	-10.290	0.148	229.0	-69.719	0.000	0.000
X12..10.MeC28	pre_egg - queen_chc	1.810	0.284	229.0	6.371	0.000	0.000
X12..10.MeC28	pre_egg - queen_dg	10.398	0.215	229.0	48.411	0.000	0.000
X12..10.MeC28	pre_egg - queen_egg	0.108	0.148	229.0	0.731	0.466	1.000
X12..10.MeC28	queen_chc - queen_dg	8.588	0.322	229.0	26.655	0.000	0.000
X12..10.MeC28	queen_chc - queen_egg	-1.702	0.282	229.0	-6.039	0.000	0.000
X12..10.MeC28	queen_dg - queen_egg	-10.290	0.212	229.0	-48.589	0.000	0.000
X12..11..10.MeC24	ace_chc - ace_dg	7.013	0.092	229.0	76.341	0.000	0.000
X12..11..10.MeC24	ace_chc - ace_egg	7.013	0.097	229.0	71.976	0.000	0.000
X12..11..10.MeC24	ace_chc - met_chc	0.026	0.096	229.0	0.274	0.785	1.000
X12..11..10.MeC24	ace_chc - met_dg	7.012	0.106	229.0	66.111	0.000	0.000
X12..11..10.MeC24	ace_chc - met_egg	7.013	0.094	229.0	74.734	0.000	0.000

X12..11..10.MeC24	ace_chc - pre_chc	0.144	0.092	229.0	1.570	0.118	1.000
X12..11..10.MeC24	ace_chc - pre_dg	7.013	0.093	229.0	75.557	0.000	0.000
X12..11..10.MeC24	ace_chc - pre_egg	7.013	0.093	229.0	75.557	0.000	0.000
X12..11..10.MeC24	ace_chc - queen_chc	0.368	0.175	229.0	2.105	0.036	1.000
X12..11..10.MeC24	ace_chc - queen_dg	7.012	0.132	229.0	53.155	0.000	0.000
X12..11..10.MeC24	ace_chc - queen_egg	7.013	0.090	229.0	77.796	0.000	0.000
X12..11..10.MeC24	ace_dg - ace_egg	0.000	0.097	229.0	0.001	0.999	1.000
X12..11..10.MeC24	ace_dg - met_chc	-6.986	0.096	229.0	-72.672	0.000	0.000
X12..11..10.MeC24	ace_dg - met_dg	0.000	0.106	229.0	-0.002	0.998	1.000
X12..11..10.MeC24	ace_dg - met_egg	0.000	0.094	229.0	0.000	1.000	1.000
X12..11..10.MeC24	ace_dg - pre_chc	-6.868	0.092	229.0	-74.770	0.000	0.000
X12..11..10.MeC24	ace_dg - pre_dg	0.000	0.093	229.0	-0.001	0.999	1.000
X12..11..10.MeC24	ace_dg - pre_egg	0.000	0.093	229.0	0.000	1.000	1.000
X12..11..10.MeC24	ace_dg - queen_chc	-6.644	0.175	229.0	-37.991	0.000	0.000
X12..11..10.MeC24	ace_dg - queen_dg	0.000	0.132	229.0	-0.002	0.999	1.000
X12..11..10.MeC24	ace_dg - queen_egg	0.000	0.090	229.0	0.001	0.999	1.000
X12..11..10.MeC24	ace_egg - met_chc	-6.986	0.101	229.0	-68.851	0.000	0.000
X12..11..10.MeC24	ace_egg - met_dg	0.000	0.111	229.0	-0.003	0.998	1.000
X12..11..10.MeC24	ace_egg - met_egg	0.000	0.099	229.0	-0.001	1.000	1.000
X12..11..10.MeC24	ace_egg - pre_chc	-6.868	0.097	229.0	-70.495	0.000	0.000
X12..11..10.MeC24	ace_egg - pre_dg	0.000	0.098	229.0	-0.002	0.999	1.000
X12..11..10.MeC24	ace_egg - pre_egg	0.000	0.098	229.0	-0.001	0.999	1.000
X12..11..10.MeC24	ace_egg - queen_chc	-6.645	0.178	229.0	-37.353	0.000	0.000
X12..11..10.MeC24	ace_egg - queen_dg	0.000	0.136	229.0	-0.002	0.998	1.000
X12..11..10.MeC24	ace_egg - queen_egg	0.000	0.096	229.0	0.000	1.000	1.000
X12..11..10.MeC24	met_chc - met_dg	6.986	0.110	229.0	63.629	0.000	0.000
X12..11..10.MeC24	met_chc - met_egg	6.986	0.098	229.0	71.272	0.000	0.000
X12..11..10.MeC24	met_chc - pre_chc	0.118	0.096	229.0	1.227	0.221	1.000
X12..11..10.MeC24	met_chc - pre_dg	6.986	0.097	229.0	71.990	0.000	0.000
X12..11..10.MeC24	met_chc - pre_egg	6.986	0.097	229.0	71.991	0.000	0.000
X12..11..10.MeC24	met_chc - queen_chc	0.342	0.177	229.0	1.930	0.055	1.000
X12..11..10.MeC24	met_chc - queen_dg	6.986	0.135	229.0	51.774	0.000	0.000
X12..11..10.MeC24	met_chc - queen_egg	6.986	0.094	229.0	73.934	0.000	0.000
X12..11..10.MeC24	met_dg - met_egg	0.000	0.108	229.0	0.003	0.998	1.000
X12..11..10.MeC24	met_dg - pre_chc	-6.868	0.106	229.0	-64.751	0.000	0.000
X12..11..10.MeC24	met_dg - pre_dg	0.000	0.107	229.0	0.002	0.999	1.000
X12..11..10.MeC24	met_dg - pre_egg	0.000	0.107	229.0	0.002	0.998	1.000
X12..11..10.MeC24	met_dg - queen_chc	-6.644	0.183	229.0	-36.355	0.000	0.000
X12..11..10.MeC24	met_dg - queen_dg	0.000	0.142	229.0	0.000	1.000	1.000
X12..11..10.MeC24	met_dg - queen_egg	0.000	0.105	229.0	0.003	0.997	1.000
X12..11..10.MeC24	met_egg - pre_chc	-6.868	0.094	229.0	-73.196	0.000	0.000
X12..11..10.MeC24	met_egg - pre_dg	0.000	0.095	229.0	-0.001	0.999	1.000
X12..11..10.MeC24	met_egg - pre_egg	0.000	0.095	229.0	-0.001	1.000	1.000
X12..11..10.MeC24	met_egg - queen_chc	-6.644	0.176	229.0	-37.765	0.000	0.000
X12..11..10.MeC24	met_egg - queen_dg	0.000	0.133	229.0	-0.002	0.998	1.000
X12..11..10.MeC24	met_egg - queen_egg	0.000	0.092	229.0	0.001	1.000	1.000
X12..11..10.MeC24	pre_chc - pre_dg	6.868	0.093	229.0	74.002	0.000	0.000
X12..11..10.MeC24	pre_chc - pre_egg	6.868	0.093	229.0	74.003	0.000	0.000
X12..11..10.MeC24	pre_chc - queen_chc	0.224	0.175	229.0	1.280	0.202	1.000
X12..11..10.MeC24	pre_chc - queen_dg	6.868	0.132	229.0	52.061	0.000	0.000
X12..11..10.MeC24	pre_chc - queen_egg	6.868	0.090	229.0	76.195	0.000	0.000
X12..11..10.MeC24	pre_dg - pre_egg	0.000	0.094	229.0	0.001	0.999	1.000
X12..11..10.MeC24	pre_dg - queen_chc	-6.644	0.175	229.0	-37.882	0.000	0.000
X12..11..10.MeC24	pre_dg - queen_dg	0.000	0.133	229.0	-0.001	0.999	1.000
X12..11..10.MeC24	pre_dg - queen_egg	0.000	0.091	229.0	0.002	0.999	1.000
X12..11..10.MeC24	pre_egg - queen_chc	-6.644	0.175	229.0	-37.882	0.000	0.000
X12..11..10.MeC24	pre_egg - queen_dg	0.000	0.133	229.0	-0.002	0.999	1.000
X12..11..10.MeC24	pre_egg - queen_egg	0.000	0.091	229.0	0.001	0.999	1.000
X12..11..10.MeC24	queen_chc - queen_dg	6.644	0.199	229.0	33.408	0.000	0.000
X12..11..10.MeC24	queen_chc - queen_egg	6.644	0.174	229.0	38.187	0.000	0.000
X12..11..10.MeC24	queen_dg - queen_egg	0.000	0.131	229.0	0.002	0.998	1.000
X12.16.diMeC28	ace_chc - ace_dg	8.519	0.427	229.0	19.930	0.000	0.000
X12.16.diMeC28	ace_chc - ace_egg	-0.281	0.453	229.0	-0.621	0.535	1.000
X12.16.diMeC28	ace_chc - met_chc	0.098	0.447	229.0	0.219	0.827	1.000

X12.16.diMeC28	ace_chc - met_dg	8.519	0.494	229.0	17.259	0.000	0.000
X12.16.diMeC28	ace_chc - met_egg	-1.318	0.437	229.0	-3.019	0.003	1.000
X12.16.diMeC28	ace_chc - pre_chc	0.122	0.427	229.0	0.285	0.776	1.000
X12.16.diMeC28	ace_chc - pre_dg	8.519	0.432	229.0	19.725	0.000	0.000
X12.16.diMeC28	ace_chc - pre_egg	-1.043	0.432	229.0	-2.414	0.017	1.000
X12.16.diMeC28	ace_chc - queen_chc	0.541	0.814	229.0	0.665	0.507	1.000
X12.16.diMeC28	ace_chc - queen_dg	8.519	0.614	229.0	13.877	0.000	0.000
X12.16.diMeC28	ace_chc - queen_egg	0.542	0.419	229.0	1.292	0.198	1.000
X12.16.diMeC28	ace_dg - ace_egg	-8.801	0.453	229.0	-19.411	0.000	0.000
X12.16.diMeC28	ace_dg - met_chc	-8.421	0.447	229.0	-18.825	0.000	0.000
X12.16.diMeC28	ace_dg - met_dg	0.000	0.494	229.0	0.000	1.000	1.000
X12.16.diMeC28	ace_dg - met_egg	-9.837	0.437	229.0	-22.529	0.000	0.000
X12.16.diMeC28	ace_dg - pre_chc	-8.397	0.427	229.0	-19.644	0.000	0.000
X12.16.diMeC28	ace_dg - pre_dg	0.000	0.432	229.0	0.000	1.000	1.000
X12.16.diMeC28	ace_dg - pre_egg	-9.562	0.432	229.0	-22.139	0.000	0.000
X12.16.diMeC28	ace_dg - queen_chc	-7.978	0.814	229.0	-9.803	0.000	0.000
X12.16.diMeC28	ace_dg - queen_dg	0.000	0.614	229.0	0.000	1.000	1.000
X12.16.diMeC28	ace_dg - queen_egg	-7.977	0.419	229.0	-19.018	0.000	0.000
X12.16.diMeC28	ace_egg - met_chc	0.379	0.472	229.0	0.803	0.423	1.000
X12.16.diMeC28	ace_egg - met_dg	8.800	0.516	229.0	17.048	0.000	0.000
X12.16.diMeC28	ace_egg - met_egg	-1.037	0.462	229.0	-2.244	0.026	1.000
X12.16.diMeC28	ace_egg - pre_chc	0.403	0.453	229.0	0.890	0.375	1.000
X12.16.diMeC28	ace_egg - pre_dg	8.801	0.458	229.0	19.233	0.000	0.000
X12.16.diMeC28	ace_egg - pre_egg	-0.761	0.458	229.0	-1.664	0.098	1.000
X12.16.diMeC28	ace_egg - queen_chc	0.822	0.828	229.0	0.994	0.321	1.000
X12.16.diMeC28	ace_egg - queen_dg	8.800	0.632	229.0	13.920	0.000	0.000
X12.16.diMeC28	ace_egg - queen_egg	0.823	0.446	229.0	1.846	0.066	1.000
X12.16.diMeC28	met_chc - met_dg	8.421	0.511	229.0	16.482	0.000	0.000
X12.16.diMeC28	met_chc - met_egg	-1.416	0.456	229.0	-3.105	0.002	1.000
X12.16.diMeC28	met_chc - pre_chc	0.024	0.447	229.0	0.054	0.957	1.000
X12.16.diMeC28	met_chc - pre_dg	8.421	0.452	229.0	18.648	0.000	0.000
X12.16.diMeC28	met_chc - pre_egg	-1.141	0.452	229.0	-2.526	0.012	1.000
X12.16.diMeC28	met_chc - queen_chc	0.443	0.824	229.0	0.538	0.591	1.000
X12.16.diMeC28	met_chc - queen_dg	8.421	0.628	229.0	13.411	0.000	0.000
X12.16.diMeC28	met_chc - queen_egg	0.444	0.440	229.0	1.009	0.314	1.000
X12.16.diMeC28	met_dg - met_egg	-9.837	0.502	229.0	-19.613	0.000	0.000
X12.16.diMeC28	met_dg - pre_chc	-8.397	0.494	229.0	-17.012	0.000	0.000
X12.16.diMeC28	met_dg - pre_dg	0.000	0.497	229.0	0.000	1.000	1.000
X12.16.diMeC28	met_dg - pre_egg	-9.562	0.497	229.0	-19.222	0.000	0.000
X12.16.diMeC28	met_dg - queen_chc	-7.978	0.850	229.0	-9.381	0.000	0.000
X12.16.diMeC28	met_dg - queen_dg	0.000	0.662	229.0	0.000	1.000	1.000
X12.16.diMeC28	met_dg - queen_egg	-7.977	0.487	229.0	-16.391	0.000	0.000
X12.16.diMeC28	met_egg - pre_chc	1.440	0.437	229.0	3.298	0.001	1.000
X12.16.diMeC28	met_egg - pre_dg	9.837	0.441	229.0	22.307	0.000	0.000
X12.16.diMeC28	met_egg - pre_egg	0.276	0.441	229.0	0.625	0.533	1.000
X12.16.diMeC28	met_egg - queen_chc	1.859	0.819	229.0	2.271	0.024	1.000
X12.16.diMeC28	met_egg - queen_dg	9.837	0.620	229.0	15.858	0.000	0.000
X12.16.diMeC28	met_egg - queen_egg	1.860	0.429	229.0	4.337	0.000	0.063
X12.16.diMeC28	pre_chc - pre_dg	8.397	0.432	229.0	19.443	0.000	0.000
X12.16.diMeC28	pre_chc - pre_egg	-1.165	0.432	229.0	-2.697	0.008	1.000
X12.16.diMeC28	pre_chc - queen_chc	0.419	0.814	229.0	0.515	0.607	1.000
X12.16.diMeC28	pre_chc - queen_dg	8.397	0.614	229.0	13.678	0.000	0.000
X12.16.diMeC28	pre_chc - queen_egg	0.420	0.419	229.0	1.001	0.318	1.000
X12.16.diMeC28	pre_dg - pre_egg	-9.562	0.436	229.0	-21.917	0.000	0.000
X12.16.diMeC28	pre_dg - queen_chc	-7.978	0.816	229.0	-9.775	0.000	0.000
X12.16.diMeC28	pre_dg - queen_dg	0.000	0.617	229.0	0.000	1.000	1.000
X12.16.diMeC28	pre_dg - queen_egg	-7.977	0.424	229.0	-18.815	0.000	0.000
X12.16.diMeC28	pre_egg - queen_chc	1.584	0.816	229.0	1.940	0.054	1.000
X12.16.diMeC28	pre_egg - queen_dg	9.562	0.617	229.0	15.497	0.000	0.000
X12.16.diMeC28	pre_egg - queen_egg	1.584	0.424	229.0	3.737	0.000	0.683
X12.16.diMeC28	queen_chc - queen_dg	7.978	0.925	229.0	8.620	0.000	0.000
X12.16.diMeC28	queen_chc - queen_egg	0.001	0.810	229.0	0.001	0.999	1.000
X12.16.diMeC28	queen_dg - queen_egg	-7.977	0.608	229.0	-13.113	0.000	0.000
X13..11..9..7.MeC25	ace_chc - ace_dg	0.254	0.147	229.0	1.733	0.084	1.000

X13..11..9..7.MeC25	ace_chc - ace_egg	0.766	0.155	229.0	4.928	0.000	0.005
X13..11..9..7.MeC25	ace_chc - met_chc	0.088	0.153	229.0	0.575	0.566	1.000
X13..11..9..7.MeC25	ace_chc - met_dg	-0.243	0.169	229.0	-1.437	0.152	1.000
X13..11..9..7.MeC25	ace_chc - met_egg	0.770	0.150	229.0	5.142	0.000	0.002
X13..11..9..7.MeC25	ace_chc - pre_chc	-0.049	0.147	229.0	-0.334	0.739	1.000
X13..11..9..7.MeC25	ace_chc - pre_dg	0.405	0.148	229.0	2.733	0.007	1.000
X13..11..9..7.MeC25	ace_chc - pre_egg	0.722	0.148	229.0	4.877	0.000	0.006
X13..11..9..7.MeC25	ace_chc - queen_chc	2.138	0.279	229.0	7.659	0.000	0.000
X13..11..9..7.MeC25	ace_chc - queen_dg	-0.143	0.211	229.0	-0.681	0.496	1.000
X13..11..9..7.MeC25	ace_chc - queen_egg	0.517	0.144	229.0	3.594	0.000	1.000
X13..11..9..7.MeC25	ace_dg - ace_egg	0.512	0.155	229.0	3.294	0.001	1.000
X13..11..9..7.MeC25	ace_dg - met_chc	-0.166	0.153	229.0	-1.081	0.281	1.000
X13..11..9..7.MeC25	ace_dg - met_dg	-0.497	0.169	229.0	-2.937	0.004	1.000
X13..11..9..7.MeC25	ace_dg - met_egg	0.516	0.150	229.0	3.445	0.001	1.000
X13..11..9..7.MeC25	ace_dg - pre_chc	-0.303	0.147	229.0	-2.067	0.040	1.000
X13..11..9..7.MeC25	ace_dg - pre_dg	0.151	0.148	229.0	1.018	0.310	1.000
X13..11..9..7.MeC25	ace_dg - pre_egg	0.468	0.148	229.0	3.162	0.002	1.000
X13..11..9..7.MeC25	ace_dg - queen_chc	1.884	0.279	229.0	6.749	0.000	0.000
X13..11..9..7.MeC25	ace_dg - queen_dg	-0.397	0.211	229.0	-1.888	0.060	1.000
X13..11..9..7.MeC25	ace_dg - queen_egg	0.263	0.144	229.0	1.828	0.069	1.000
X13..11..9..7.MeC25	ace_egg - met_chc	-0.678	0.162	229.0	-4.187	0.000	0.117
X13..11..9..7.MeC25	ace_egg - met_dg	-1.009	0.177	229.0	-5.702	0.000	0.000
X13..11..9..7.MeC25	ace_egg - met_egg	0.004	0.158	229.0	0.024	0.981	1.000
X13..11..9..7.MeC25	ace_egg - pre_chc	-0.815	0.155	229.0	-5.243	0.000	0.001
X13..11..9..7.MeC25	ace_egg - pre_dg	-0.361	0.157	229.0	-2.304	0.022	1.000
X13..11..9..7.MeC25	ace_egg - pre_egg	-0.044	0.157	229.0	-0.280	0.780	1.000
X13..11..9..7.MeC25	ace_egg - queen_chc	1.371	0.284	229.0	4.831	0.000	0.007
X13..11..9..7.MeC25	ace_egg - queen_dg	-0.910	0.217	229.0	-4.195	0.000	0.113
X13..11..9..7.MeC25	ace_egg - queen_egg	-0.249	0.153	229.0	-1.629	0.105	1.000
X13..11..9..7.MeC25	met_chc - met_dg	-0.331	0.175	229.0	-1.892	0.060	1.000
X13..11..9..7.MeC25	met_chc - met_egg	0.682	0.156	229.0	4.358	0.000	0.058
X13..11..9..7.MeC25	met_chc - pre_chc	-0.137	0.153	229.0	-0.894	0.372	1.000
X13..11..9..7.MeC25	met_chc - pre_dg	0.316	0.155	229.0	2.044	0.042	1.000
X13..11..9..7.MeC25	met_chc - pre_egg	0.634	0.155	229.0	4.094	0.000	0.171
X13..11..9..7.MeC25	met_chc - queen_chc	2.049	0.283	229.0	7.249	0.000	0.000
X13..11..9..7.MeC25	met_chc - queen_dg	-0.232	0.215	229.0	-1.076	0.283	1.000
X13..11..9..7.MeC25	met_chc - queen_egg	0.429	0.151	229.0	2.844	0.005	1.000
X13..11..9..7.MeC25	met_dg - met_egg	1.013	0.172	229.0	5.890	0.000	0.000
X13..11..9..7.MeC25	met_dg - pre_chc	0.194	0.169	229.0	1.147	0.252	1.000
X13..11..9..7.MeC25	met_dg - pre_dg	0.648	0.171	229.0	3.798	0.000	0.542
X13..11..9..7.MeC25	met_dg - pre_egg	0.965	0.171	229.0	5.660	0.000	0.000
X13..11..9..7.MeC25	met_dg - queen_chc	2.381	0.292	229.0	8.164	0.000	0.000
X13..11..9..7.MeC25	met_dg - queen_dg	0.100	0.227	229.0	0.440	0.661	1.000
X13..11..9..7.MeC25	met_dg - queen_egg	0.760	0.167	229.0	4.555	0.000	0.025
X13..11..9..7.MeC25	met_egg - pre_chc	-0.819	0.150	229.0	-5.469	0.000	0.000
X13..11..9..7.MeC25	met_egg - pre_dg	-0.365	0.151	229.0	-2.415	0.017	1.000
X13..11..9..7.MeC25	met_egg - pre_egg	-0.048	0.151	229.0	-0.315	0.753	1.000
X13..11..9..7.MeC25	met_egg - queen_chc	1.368	0.281	229.0	4.872	0.000	0.006
X13..11..9..7.MeC25	met_egg - queen_dg	-0.913	0.213	229.0	-4.293	0.000	0.075
X13..11..9..7.MeC25	met_egg - queen_egg	-0.253	0.147	229.0	-1.720	0.087	1.000
X13..11..9..7.MeC25	pre_chc - pre_dg	0.454	0.148	229.0	3.063	0.002	1.000
X13..11..9..7.MeC25	pre_chc - pre_egg	0.771	0.148	229.0	5.208	0.000	0.001
X13..11..9..7.MeC25	pre_chc - queen_chc	2.187	0.279	229.0	7.835	0.000	0.000
X13..11..9..7.MeC25	pre_chc - queen_dg	-0.094	0.211	229.0	-0.449	0.654	1.000
X13..11..9..7.MeC25	pre_chc - queen_egg	0.566	0.144	229.0	3.935	0.000	0.321
X13..11..9..7.MeC25	pre_dg - pre_egg	0.318	0.150	229.0	2.123	0.035	1.000
X13..11..9..7.MeC25	pre_dg - queen_chc	1.733	0.280	229.0	6.191	0.000	0.000
X13..11..9..7.MeC25	pre_dg - queen_dg	-0.548	0.212	229.0	-2.591	0.010	1.000
X13..11..9..7.MeC25	pre_dg - queen_egg	0.112	0.145	229.0	0.772	0.441	1.000
X13..11..9..7.MeC25	pre_egg - queen_chc	1.415	0.280	229.0	5.057	0.000	0.003
X13..11..9..7.MeC25	pre_egg - queen_dg	-0.866	0.212	229.0	-4.092	0.000	0.172
X13..11..9..7.MeC25	pre_egg - queen_egg	-0.205	0.145	229.0	-1.412	0.159	1.000
X13..11..9..7.MeC25	queen_chc - queen_dg	-2.281	0.317	229.0	-7.187	0.000	0.000
X13..11..9..7.MeC25	queen_chc - queen_egg	-1.621	0.278	229.0	-5.837	0.000	0.000

X13..11..9..7.MeC25	queen_dg - queen_egg	0.660	0.209	229.0	3.166	0.002	1.000
X13..11..9.MeC27	ace_chc - ace_dg	4.780	0.257	229.0	18.596	0.000	0.000
X13..11..9.MeC27	ace_chc - ace_egg	0.903	0.273	229.0	3.313	0.001	1.000
X13..11..9.MeC27	ace_chc - met_chc	0.237	0.269	229.0	0.881	0.379	1.000
X13..11..9.MeC27	ace_chc - met_dg	4.395	0.297	229.0	14.806	0.000	0.000
X13..11..9.MeC27	ace_chc - met_egg	0.777	0.263	229.0	2.959	0.003	1.000
X13..11..9.MeC27	ace_chc - pre_chc	0.001	0.257	229.0	0.005	0.996	1.000
X13..11..9.MeC27	ace_chc - pre_dg	4.312	0.260	229.0	16.603	0.000	0.000
X13..11..9.MeC27	ace_chc - pre_egg	0.883	0.260	229.0	3.399	0.001	1.000
X13..11..9.MeC27	ace_chc - queen_chc	1.514	0.489	229.0	3.094	0.002	1.000
X13..11..9.MeC27	ace_chc - queen_dg	3.448	0.369	229.0	9.340	0.000	0.000
X13..11..9.MeC27	ace_chc - queen_egg	0.630	0.252	229.0	2.497	0.013	1.000
X13..11..9.MeC27	ace_dg - ace_egg	-3.877	0.273	229.0	-14.219	0.000	0.000
X13..11..9.MeC27	ace_dg - met_chc	-4.543	0.269	229.0	-16.888	0.000	0.000
X13..11..9.MeC27	ace_dg - met_dg	-0.385	0.297	229.0	-1.298	0.196	1.000
X13..11..9.MeC27	ace_dg - met_egg	-4.003	0.263	229.0	-15.245	0.000	0.000
X13..11..9.MeC27	ace_dg - pre_chc	-4.779	0.257	229.0	-18.591	0.000	0.000
X13..11..9.MeC27	ace_dg - pre_dg	-0.468	0.260	229.0	-1.802	0.073	1.000
X13..11..9.MeC27	ace_dg - pre_egg	-3.898	0.260	229.0	-15.006	0.000	0.000
X13..11..9.MeC27	ace_dg - queen_chc	-3.266	0.489	229.0	-6.673	0.000	0.000
X13..11..9.MeC27	ace_dg - queen_dg	-1.332	0.369	229.0	-3.608	0.000	1.000
X13..11..9.MeC27	ace_dg - queen_egg	-4.150	0.252	229.0	-16.453	0.000	0.000
X13..11..9.MeC27	ace_egg - met_chc	-0.666	0.284	229.0	-2.346	0.020	1.000
X13..11..9.MeC27	ace_egg - met_dg	3.492	0.310	229.0	11.248	0.000	0.000
X13..11..9.MeC27	ace_egg - met_egg	-0.126	0.278	229.0	-0.454	0.650	1.000
X13..11..9.MeC27	ace_egg - pre_chc	-0.902	0.273	229.0	-3.309	0.001	1.000
X13..11..9.MeC27	ace_egg - pre_dg	3.409	0.275	229.0	12.388	0.000	0.000
X13..11..9.MeC27	ace_egg - pre_egg	-0.021	0.275	229.0	-0.075	0.940	1.000
X13..11..9.MeC27	ace_egg - queen_chc	0.611	0.498	229.0	1.227	0.221	1.000
X13..11..9.MeC27	ace_egg - queen_dg	2.545	0.380	229.0	6.694	0.000	0.000
X13..11..9.MeC27	ace_egg - queen_egg	-0.273	0.268	229.0	-1.020	0.309	1.000
X13..11..9.MeC27	met_chc - met_dg	4.158	0.307	229.0	13.533	0.000	0.000
X13..11..9.MeC27	met_chc - met_egg	0.540	0.274	229.0	1.969	0.050	1.000
X13..11..9.MeC27	met_chc - pre_chc	-0.236	0.269	229.0	-0.876	0.382	1.000
X13..11..9.MeC27	met_chc - pre_dg	4.075	0.272	229.0	15.005	0.000	0.000
X13..11..9.MeC27	met_chc - pre_egg	0.646	0.272	229.0	2.377	0.018	1.000
X13..11..9.MeC27	met_chc - queen_chc	1.277	0.496	229.0	2.576	0.011	1.000
X13..11..9.MeC27	met_chc - queen_dg	3.211	0.378	229.0	8.504	0.000	0.000
X13..11..9.MeC27	met_chc - queen_egg	0.393	0.264	229.0	1.486	0.139	1.000
X13..11..9.MeC27	met_dg - met_egg	-3.618	0.302	229.0	-11.994	0.000	0.000
X13..11..9.MeC27	met_dg - pre_chc	-4.394	0.297	229.0	-14.802	0.000	0.000
X13..11..9.MeC27	met_dg - pre_dg	-0.083	0.299	229.0	-0.277	0.782	1.000
X13..11..9.MeC27	met_dg - pre_egg	-3.512	0.299	229.0	-11.741	0.000	0.000
X13..11..9.MeC27	met_dg - queen_chc	-2.881	0.511	229.0	-5.633	0.000	0.000
X13..11..9.MeC27	met_dg - queen_dg	-0.947	0.398	229.0	-2.379	0.018	1.000
X13..11..9.MeC27	met_dg - queen_egg	-3.765	0.293	229.0	-12.864	0.000	0.000
X13..11..9.MeC27	met_egg - pre_chc	-0.776	0.263	229.0	-2.954	0.003	1.000
X13..11..9.MeC27	met_egg - pre_dg	3.535	0.265	229.0	13.330	0.000	0.000
X13..11..9.MeC27	met_egg - pre_egg	0.106	0.265	229.0	0.398	0.691	1.000
X13..11..9.MeC27	met_egg - queen_chc	0.737	0.492	229.0	1.497	0.136	1.000
X13..11..9.MeC27	met_egg - queen_dg	2.671	0.373	229.0	7.160	0.000	0.000
X13..11..9.MeC27	met_egg - queen_egg	-0.147	0.258	229.0	-0.570	0.569	1.000
X13..11..9.MeC27	pre_chc - pre_dg	4.311	0.260	229.0	16.598	0.000	0.000
X13..11..9.MeC27	pre_chc - pre_egg	0.881	0.260	229.0	3.394	0.001	1.000
X13..11..9.MeC27	pre_chc - queen_chc	1.513	0.489	229.0	3.091	0.002	1.000
X13..11..9.MeC27	pre_chc - queen_dg	3.447	0.369	229.0	9.337	0.000	0.000
X13..11..9.MeC27	pre_chc - queen_egg	0.629	0.252	229.0	2.492	0.013	1.000
X13..11..9.MeC27	pre_dg - pre_egg	-3.429	0.262	229.0	-13.071	0.000	0.000
X13..11..9.MeC27	pre_dg - queen_chc	-2.798	0.491	229.0	-5.700	0.000	0.000
X13..11..9.MeC27	pre_dg - queen_dg	-0.864	0.371	229.0	-2.328	0.021	1.000
X13..11..9.MeC27	pre_dg - queen_egg	-3.682	0.255	229.0	-14.441	0.000	0.000
X13..11..9.MeC27	pre_egg - queen_chc	0.632	0.491	229.0	1.287	0.200	1.000
X13..11..9.MeC27	pre_egg - queen_dg	2.566	0.371	229.0	6.915	0.000	0.000
X13..11..9.MeC27	pre_egg - queen_egg	-0.253	0.255	229.0	-0.991	0.323	1.000

X13..11..9.MeC27	queen_chc - queen_dg	1.934	0.557	229.0	3.475	0.001	1.000
X13..11..9.MeC27	queen_chc - queen_egg	-0.884	0.487	229.0	-1.816	0.071	1.000
X13..11..9.MeC27	queen_dg - queen_egg	-2.818	0.366	229.0	-7.703	0.000	0.000
X13..11..9.MeC29	ace_chc - ace_dg	2.759	0.488	229.0	5.650	0.000	0.000
X13..11..9.MeC29	ace_chc - ace_egg	0.236	0.518	229.0	0.456	0.649	1.000
X13..11..9.MeC29	ace_chc - met_chc	0.210	0.511	229.0	0.412	0.681	1.000
X13..11..9.MeC29	ace_chc - met_dg	2.835	0.564	229.0	5.028	0.000	0.003
X13..11..9.MeC29	ace_chc - met_egg	-0.224	0.499	229.0	-0.448	0.655	1.000
X13..11..9.MeC29	ace_chc - pre_chc	0.006	0.488	229.0	0.012	0.990	1.000
X13..11..9.MeC29	ace_chc - pre_dg	4.127	0.493	229.0	8.363	0.000	0.000
X13..11..9.MeC29	ace_chc - pre_egg	-0.174	0.493	229.0	-0.353	0.724	1.000
X13..11..9.MeC29	ace_chc - queen_chc	1.642	0.930	229.0	1.766	0.079	1.000
X13..11..9.MeC29	ace_chc - queen_dg	1.295	0.701	229.0	1.846	0.066	1.000
X13..11..9.MeC29	ace_chc - queen_egg	0.593	0.479	229.0	1.237	0.217	1.000
X13..11..9.MeC29	ace_dg - ace_egg	-2.523	0.518	229.0	-4.871	0.000	0.006
X13..11..9.MeC29	ace_dg - met_chc	-2.549	0.511	229.0	-4.987	0.000	0.004
X13..11..9.MeC29	ace_dg - met_dg	0.076	0.564	229.0	0.135	0.893	1.000
X13..11..9.MeC29	ace_dg - met_egg	-2.983	0.499	229.0	-5.979	0.000	0.000
X13..11..9.MeC29	ace_dg - pre_chc	-2.753	0.488	229.0	-5.638	0.000	0.000
X13..11..9.MeC29	ace_dg - pre_dg	1.367	0.493	229.0	2.771	0.006	1.000
X13..11..9.MeC29	ace_dg - pre_egg	-2.933	0.493	229.0	-5.945	0.000	0.000
X13..11..9.MeC29	ace_dg - queen_chc	-1.118	0.930	229.0	-1.202	0.231	1.000
X13..11..9.MeC29	ace_dg - queen_dg	-1.464	0.701	229.0	-2.088	0.038	1.000
X13..11..9.MeC29	ace_dg - queen_egg	-2.167	0.479	229.0	-4.521	0.000	0.029
X13..11..9.MeC29	ace_egg - met_chc	-0.026	0.539	229.0	-0.048	0.962	1.000
X13..11..9.MeC29	ace_egg - met_dg	2.599	0.590	229.0	4.407	0.000	0.047
X13..11..9.MeC29	ace_egg - met_egg	-0.460	0.528	229.0	-0.871	0.385	1.000
X13..11..9.MeC29	ace_egg - pre_chc	-0.230	0.518	229.0	-0.444	0.657	1.000
X13..11..9.MeC29	ace_egg - pre_dg	3.891	0.523	229.0	7.442	0.000	0.000
X13..11..9.MeC29	ace_egg - pre_egg	-0.410	0.523	229.0	-0.785	0.433	1.000
X13..11..9.MeC29	ace_egg - queen_chc	1.406	0.946	229.0	1.486	0.139	1.000
X13..11..9.MeC29	ace_egg - queen_dg	1.059	0.722	229.0	1.466	0.144	1.000
X13..11..9.MeC29	ace_egg - queen_egg	0.357	0.509	229.0	0.700	0.485	1.000
X13..11..9.MeC29	met_chc - met_dg	2.625	0.584	229.0	4.497	0.000	0.032
X13..11..9.MeC29	met_chc - met_egg	-0.434	0.521	229.0	-0.833	0.406	1.000
X13..11..9.MeC29	met_chc - pre_chc	-0.204	0.511	229.0	-0.400	0.690	1.000
X13..11..9.MeC29	met_chc - pre_dg	3.916	0.516	229.0	7.591	0.000	0.000
X13..11..9.MeC29	met_chc - pre_egg	-0.385	0.516	229.0	-0.745	0.457	1.000
X13..11..9.MeC29	met_chc - queen_chc	1.431	0.942	229.0	1.520	0.130	1.000
X13..11..9.MeC29	met_chc - queen_dg	1.085	0.717	229.0	1.512	0.132	1.000
X13..11..9.MeC29	met_chc - queen_egg	0.382	0.502	229.0	0.761	0.447	1.000
X13..11..9.MeC29	met_dg - met_egg	-3.059	0.573	229.0	-5.338	0.000	0.001
X13..11..9.MeC29	met_dg - pre_chc	-2.829	0.564	229.0	-5.017	0.000	0.003
X13..11..9.MeC29	met_dg - pre_dg	1.292	0.568	229.0	2.273	0.024	1.000
X13..11..9.MeC29	met_dg - pre_egg	-3.009	0.568	229.0	-5.295	0.000	0.001
X13..11..9.MeC29	met_dg - queen_chc	-1.194	0.972	229.0	-1.228	0.221	1.000
X13..11..9.MeC29	met_dg - queen_dg	-1.540	0.756	229.0	-2.038	0.043	1.000
X13..11..9.MeC29	met_dg - queen_egg	-2.243	0.556	229.0	-4.033	0.000	0.218
X13..11..9.MeC29	met_egg - pre_chc	0.229	0.499	229.0	0.460	0.646	1.000
X13..11..9.MeC29	met_egg - pre_dg	4.350	0.504	229.0	8.635	0.000	0.000
X13..11..9.MeC29	met_egg - pre_egg	0.049	0.504	229.0	0.098	0.922	1.000
X13..11..9.MeC29	met_egg - queen_chc	1.865	0.935	229.0	1.994	0.047	1.000
X13..11..9.MeC29	met_egg - queen_dg	1.518	0.709	229.0	2.143	0.033	1.000
X13..11..9.MeC29	met_egg - queen_egg	0.816	0.490	229.0	1.666	0.097	1.000
X13..11..9.MeC29	pre_chc - pre_dg	4.121	0.493	229.0	8.351	0.000	0.000
X13..11..9.MeC29	pre_chc - pre_egg	-0.180	0.493	229.0	-0.365	0.715	1.000
X13..11..9.MeC29	pre_chc - queen_chc	1.636	0.930	229.0	1.759	0.080	1.000
X13..11..9.MeC29	pre_chc - queen_dg	1.289	0.701	229.0	1.838	0.067	1.000
X13..11..9.MeC29	pre_chc - queen_egg	0.587	0.479	229.0	1.224	0.222	1.000
X13..11..9.MeC29	pre_dg - pre_egg	-4.301	0.498	229.0	-8.629	0.000	0.000
X13..11..9.MeC29	pre_dg - queen_chc	-2.485	0.932	229.0	-2.665	0.008	1.000
X13..11..9.MeC29	pre_dg - queen_dg	-2.832	0.705	229.0	-4.017	0.000	0.232
X13..11..9.MeC29	pre_dg - queen_egg	-3.534	0.484	229.0	-7.296	0.000	0.000
X13..11..9.MeC29	pre_egg - queen_chc	1.816	0.932	229.0	1.947	0.053	1.000

X13..11..9.MeC29	pre_egg - queen_dg	1.469	0.705	229.0	2.084	0.038	1.000
X13..11..9.MeC29	pre_egg - queen_egg	0.767	0.484	229.0	1.583	0.115	1.000
X13..11..9.MeC29	queen_chc - queen_dg	-0.347	1.057	229.0	-0.328	0.743	1.000
X13..11..9.MeC29	queen_chc - queen_egg	-1.049	0.925	229.0	-1.134	0.258	1.000
X13..11..9.MeC29	queen_dg - queen_egg	-0.702	0.695	229.0	-1.010	0.313	1.000
X13.17.diMeC33	ace_chc - ace_dg	-4.636	0.713	229.0	-6.505	0.000	0.000
X13.17.diMeC33	ace_chc - ace_egg	0.001	0.756	229.0	0.001	0.999	1.000
X13.17.diMeC33	ace_chc - met_chc	0.000	0.746	229.0	0.000	1.000	1.000
X13.17.diMeC33	ace_chc - met_dg	-1.989	0.823	229.0	-2.417	0.016	1.000
X13.17.diMeC33	ace_chc - met_egg	0.000	0.728	229.0	0.001	0.999	1.000
X13.17.diMeC33	ace_chc - pre_chc	0.000	0.713	229.0	0.000	1.000	1.000
X13.17.diMeC33	ace_chc - pre_dg	-2.729	0.720	229.0	-3.789	0.000	0.561
X13.17.diMeC33	ace_chc - pre_egg	0.000	0.720	229.0	0.001	1.000	1.000
X13.17.diMeC33	ace_chc - queen_chc	0.000	1.357	229.0	0.000	1.000	1.000
X13.17.diMeC33	ace_chc - queen_dg	-4.814	1.024	229.0	-4.703	0.000	0.013
X13.17.diMeC33	ace_chc - queen_egg	0.001	0.699	229.0	0.001	0.999	1.000
X13.17.diMeC33	ace_dg - ace_egg	4.637	0.756	229.0	6.134	0.000	0.000
X13.17.diMeC33	ace_dg - met_chc	4.636	0.746	229.0	6.216	0.000	0.000
X13.17.diMeC33	ace_dg - met_dg	2.647	0.823	229.0	3.216	0.001	1.000
X13.17.diMeC33	ace_dg - met_egg	4.637	0.728	229.0	6.369	0.000	0.000
X13.17.diMeC33	ace_dg - pre_chc	4.636	0.713	229.0	6.505	0.000	0.000
X13.17.diMeC33	ace_dg - pre_dg	1.908	0.720	229.0	2.649	0.009	1.000
X13.17.diMeC33	ace_dg - pre_egg	4.637	0.720	229.0	6.439	0.000	0.000
X13.17.diMeC33	ace_dg - queen_chc	4.636	1.357	229.0	3.417	0.001	1.000
X13.17.diMeC33	ace_dg - queen_dg	-0.177	1.024	229.0	-0.173	0.863	1.000
X13.17.diMeC33	ace_dg - queen_egg	4.637	0.699	229.0	6.630	0.000	0.000
X13.17.diMeC33	ace_egg - met_chc	-0.001	0.787	229.0	-0.001	0.999	1.000
X13.17.diMeC33	ace_egg - met_dg	-1.990	0.861	229.0	-2.312	0.022	1.000
X13.17.diMeC33	ace_egg - met_egg	0.000	0.770	229.0	0.000	1.000	1.000
X13.17.diMeC33	ace_egg - pre_chc	-0.001	0.756	229.0	-0.001	0.999	1.000
X13.17.diMeC33	ace_egg - pre_dg	-2.729	0.763	229.0	-3.577	0.000	1.000
X13.17.diMeC33	ace_egg - pre_egg	0.000	0.763	229.0	0.000	1.000	1.000
X13.17.diMeC33	ace_egg - queen_chc	-0.001	1.380	229.0	0.000	1.000	1.000
X13.17.diMeC33	ace_egg - queen_dg	-4.814	1.054	229.0	-4.567	0.000	0.023
X13.17.diMeC33	ace_egg - queen_egg	0.000	0.743	229.0	0.000	1.000	1.000
X13.17.diMeC33	met_chc - met_dg	-1.989	0.852	229.0	-2.335	0.020	1.000
X13.17.diMeC33	met_chc - met_egg	0.000	0.761	229.0	0.001	1.000	1.000
X13.17.diMeC33	met_chc - pre_chc	0.000	0.746	229.0	0.000	1.000	1.000
X13.17.diMeC33	met_chc - pre_dg	-2.729	0.753	229.0	-3.624	0.000	1.000
X13.17.diMeC33	met_chc - pre_egg	0.000	0.753	229.0	0.001	1.000	1.000
X13.17.diMeC33	met_chc - queen_chc	0.000	1.375	229.0	0.000	1.000	1.000
X13.17.diMeC33	met_chc - queen_dg	-4.814	1.047	229.0	-4.598	0.000	0.021
X13.17.diMeC33	met_chc - queen_egg	0.001	0.733	229.0	0.001	0.999	1.000
X13.17.diMeC33	met_dg - met_egg	1.990	0.836	229.0	2.379	0.018	1.000
X13.17.diMeC33	met_dg - pre_chc	1.989	0.823	229.0	2.417	0.016	1.000
X13.17.diMeC33	met_dg - pre_dg	-0.739	0.829	229.0	-0.891	0.374	1.000
X13.17.diMeC33	met_dg - pre_egg	1.990	0.829	229.0	2.399	0.017	1.000
X13.17.diMeC33	met_dg - queen_chc	1.989	1.418	229.0	1.403	0.162	1.000
X13.17.diMeC33	met_dg - queen_dg	-2.824	1.103	229.0	-2.560	0.011	1.000
X13.17.diMeC33	met_dg - queen_egg	1.990	0.811	229.0	2.452	0.015	1.000
X13.17.diMeC33	met_egg - pre_chc	-0.001	0.728	229.0	-0.001	0.999	1.000
X13.17.diMeC33	met_egg - pre_dg	-2.729	0.735	229.0	-3.712	0.000	0.751
X13.17.diMeC33	met_egg - pre_egg	0.000	0.735	229.0	0.000	1.000	1.000
X13.17.diMeC33	met_egg - queen_chc	-0.001	1.365	229.0	0.000	1.000	1.000
X13.17.diMeC33	met_egg - queen_dg	-4.814	1.034	229.0	-4.654	0.000	0.016
X13.17.diMeC33	met_egg - queen_egg	0.000	0.715	229.0	0.000	1.000	1.000
X13.17.diMeC33	pre_chc - pre_dg	-2.729	0.720	229.0	-3.789	0.000	0.561
X13.17.diMeC33	pre_chc - pre_egg	0.000	0.720	229.0	0.001	0.999	1.000
X13.17.diMeC33	pre_chc - queen_chc	0.000	1.357	229.0	0.000	1.000	1.000
X13.17.diMeC33	pre_chc - queen_dg	-4.814	1.024	229.0	-4.703	0.000	0.013
X13.17.diMeC33	pre_chc - queen_egg	0.001	0.699	229.0	0.001	0.999	1.000
X13.17.diMeC33	pre_dg - pre_egg	2.729	0.727	229.0	3.752	0.000	0.646
X13.17.diMeC33	pre_dg - queen_chc	2.729	1.361	229.0	2.005	0.046	1.000
X13.17.diMeC33	pre_dg - queen_dg	-2.085	1.029	229.0	-2.027	0.044	1.000

X13.17.diMeC33	pre_dg - queen_egg	2.729	0.707	229.0	3.861	0.000	0.427
X13.17.diMeC33	pre_egg - queen_chc	-0.001	1.361	229.0	0.000	1.000	1.000
X13.17.diMeC33	pre_egg - queen_dg	-4.814	1.029	229.0	-4.680	0.000	0.014
X13.17.diMeC33	pre_egg - queen_egg	0.000	0.707	229.0	0.000	1.000	1.000
X13.17.diMeC33	queen_chc - queen_dg	-4.813	1.543	229.0	-3.119	0.002	1.000
X13.17.diMeC33	queen_chc - queen_egg	0.001	1.350	229.0	0.000	1.000	1.000
X13.17.diMeC33	queen_dg - queen_egg	4.814	1.014	229.0	4.746	0.000	0.011
X15..13.MeC31	ace_chc - ace_dg	3.880	0.641	229.0	6.053	0.000	0.000
X15..13.MeC31	ace_chc - ace_egg	7.816	0.680	229.0	11.495	0.000	0.000
X15..13.MeC31	ace_chc - met_chc	-1.113	0.671	229.0	-1.659	0.099	1.000
X15..13.MeC31	ace_chc - met_dg	7.148	0.740	229.0	9.657	0.000	0.000
X15..13.MeC31	ace_chc - met_egg	7.816	0.655	229.0	11.936	0.000	0.000
X15..13.MeC31	ace_chc - pre_chc	0.071	0.641	229.0	0.111	0.912	1.000
X15..13.MeC31	ace_chc - pre_dg	6.586	0.648	229.0	10.168	0.000	0.000
X15..13.MeC31	ace_chc - pre_egg	7.816	0.648	229.0	12.067	0.000	0.000
X15..13.MeC31	ace_chc - queen_chc	1.171	1.221	229.0	0.960	0.338	1.000
X15..13.MeC31	ace_chc - queen_dg	1.882	0.921	229.0	2.045	0.042	1.000
X15..13.MeC31	ace_chc - queen_egg	7.816	0.629	229.0	12.425	0.000	0.000
X15..13.MeC31	ace_dg - ace_egg	3.936	0.680	229.0	5.789	0.000	0.000
X15..13.MeC31	ace_dg - met_chc	-4.993	0.671	229.0	-7.443	0.000	0.000
X15..13.MeC31	ace_dg - met_dg	3.268	0.740	229.0	4.415	0.000	0.045
X15..13.MeC31	ace_dg - met_egg	3.936	0.655	229.0	6.010	0.000	0.000
X15..13.MeC31	ace_dg - pre_chc	-3.809	0.641	229.0	-5.942	0.000	0.000
X15..13.MeC31	ace_dg - pre_dg	2.706	0.648	229.0	4.177	0.000	0.122
X15..13.MeC31	ace_dg - pre_egg	3.936	0.648	229.0	6.076	0.000	0.000
X15..13.MeC31	ace_dg - queen_chc	-2.709	1.221	229.0	-2.219	0.027	1.000
X15..13.MeC31	ace_dg - queen_dg	-1.998	0.921	229.0	-2.170	0.031	1.000
X15..13.MeC31	ace_dg - queen_egg	3.936	0.629	229.0	6.257	0.000	0.000
X15..13.MeC31	ace_egg - met_chc	-8.929	0.708	229.0	-12.609	0.000	0.000
X15..13.MeC31	ace_egg - met_dg	-0.668	0.774	229.0	-0.862	0.389	1.000
X15..13.MeC31	ace_egg - met_egg	0.000	0.693	229.0	0.000	1.000	1.000
X15..13.MeC31	ace_egg - pre_chc	-7.745	0.680	229.0	-11.390	0.000	0.000
X15..13.MeC31	ace_egg - pre_dg	-1.230	0.686	229.0	-1.793	0.074	1.000
X15..13.MeC31	ace_egg - pre_egg	0.000	0.686	229.0	0.000	1.000	1.000
X15..13.MeC31	ace_egg - queen_chc	-6.645	1.241	229.0	-5.353	0.000	0.001
X15..13.MeC31	ace_egg - queen_dg	-5.934	0.948	229.0	-6.258	0.000	0.000
X15..13.MeC31	ace_egg - queen_egg	0.000	0.669	229.0	0.000	1.000	1.000
X15..13.MeC31	met_chc - met_dg	8.261	0.766	229.0	10.782	0.000	0.000
X15..13.MeC31	met_chc - met_egg	8.929	0.684	229.0	13.053	0.000	0.000
X15..13.MeC31	met_chc - pre_chc	1.184	0.671	229.0	1.765	0.079	1.000
X15..13.MeC31	met_chc - pre_dg	7.699	0.677	229.0	11.368	0.000	0.000
X15..13.MeC31	met_chc - pre_egg	8.929	0.677	229.0	13.184	0.000	0.000
X15..13.MeC31	met_chc - queen_chc	2.284	1.236	229.0	1.847	0.066	1.000
X15..13.MeC31	met_chc - queen_dg	2.995	0.942	229.0	3.181	0.002	1.000
X15..13.MeC31	met_chc - queen_egg	8.929	0.659	229.0	13.540	0.000	0.000
X15..13.MeC31	met_dg - met_egg	0.668	0.752	229.0	0.887	0.376	1.000
X15..13.MeC31	met_dg - pre_chc	-7.077	0.740	229.0	-9.561	0.000	0.000
X15..13.MeC31	met_dg - pre_dg	-0.563	0.746	229.0	-0.754	0.452	1.000
X15..13.MeC31	met_dg - pre_egg	0.667	0.746	229.0	0.895	0.372	1.000
X15..13.MeC31	met_dg - queen_chc	-5.977	1.275	229.0	-4.686	0.000	0.014
X15..13.MeC31	met_dg - queen_dg	-5.266	0.992	229.0	-5.307	0.000	0.001
X15..13.MeC31	met_dg - queen_egg	0.668	0.730	229.0	0.915	0.361	1.000
X15..13.MeC31	met_egg - pre_chc	-7.745	0.655	229.0	-11.827	0.000	0.000
X15..13.MeC31	met_egg - pre_dg	-1.230	0.661	229.0	-1.860	0.064	1.000
X15..13.MeC31	met_egg - pre_egg	0.000	0.661	229.0	0.000	1.000	1.000
X15..13.MeC31	met_egg - queen_chc	-6.644	1.228	229.0	-5.412	0.000	0.000
X15..13.MeC31	met_egg - queen_dg	-5.934	0.930	229.0	-6.378	0.000	0.000
X15..13.MeC31	met_egg - queen_egg	0.000	0.643	229.0	0.000	1.000	1.000
X15..13.MeC31	pre_chc - pre_dg	6.514	0.648	229.0	10.058	0.000	0.000
X15..13.MeC31	pre_chc - pre_egg	7.745	0.648	229.0	11.957	0.000	0.000
X15..13.MeC31	pre_chc - queen_chc	1.100	1.221	229.0	0.901	0.368	1.000
X15..13.MeC31	pre_chc - queen_dg	1.811	0.921	229.0	1.967	0.050	1.000
X15..13.MeC31	pre_chc - queen_egg	7.745	0.629	229.0	12.312	0.000	0.000
X15..13.MeC31	pre_dg - pre_egg	1.230	0.654	229.0	1.880	0.061	1.000

X15..13.MeC31	pre_dg - queen_chc	-5.414	1.224	229.0	-4.423	0.000	0.044
X15..13.MeC31	pre_dg - queen_dg	-4.704	0.925	229.0	-5.083	0.000	0.002
X15..13.MeC31	pre_dg - queen_egg	1.230	0.636	229.0	1.935	0.054	1.000
X15..13.MeC31	pre_egg - queen_chc	-6.644	1.224	229.0	-5.428	0.000	0.000
X15..13.MeC31	pre_egg - queen_dg	-5.934	0.925	229.0	-6.413	0.000	0.000
X15..13.MeC31	pre_egg - queen_egg	0.000	0.636	229.0	0.000	1.000	1.000
X15..13.MeC31	queen_chc - queen_dg	0.711	1.388	229.0	0.512	0.609	1.000
X15..13.MeC31	queen_chc - queen_egg	6.644	1.214	229.0	5.472	0.000	0.000
X15..13.MeC31	queen_dg - queen_egg	5.934	0.912	229.0	6.504	0.000	0.000
X3.MeC23	ace_chc - ace_dg	-8.471	0.731	229.0	-11.585	0.000	0.000
X3.MeC23	ace_chc - ace_egg	4.390	0.776	229.0	5.660	0.000	0.000
X3.MeC23	ace_chc - met_chc	-0.804	0.765	229.0	-1.050	0.295	1.000
X3.MeC23	ace_chc - met_dg	-7.047	0.844	229.0	-8.346	0.000	0.000
X3.MeC23	ace_chc - met_egg	4.687	0.747	229.0	6.276	0.000	0.000
X3.MeC23	ace_chc - pre_chc	0.346	0.731	229.0	0.473	0.637	1.000
X3.MeC23	ace_chc - pre_dg	-8.114	0.739	229.0	-10.984	0.000	0.000
X3.MeC23	ace_chc - pre_egg	4.248	0.739	229.0	5.750	0.000	0.000
X3.MeC23	ace_chc - queen_chc	-0.979	1.392	229.0	-0.704	0.482	1.000
X3.MeC23	ace_chc - queen_dg	-4.366	1.050	229.0	-4.158	0.000	0.132
X3.MeC23	ace_chc - queen_egg	4.934	0.718	229.0	6.877	0.000	0.000
X3.MeC23	ace_dg - ace_egg	12.861	0.776	229.0	16.583	0.000	0.000
X3.MeC23	ace_dg - met_chc	7.667	0.765	229.0	10.020	0.000	0.000
X3.MeC23	ace_dg - met_dg	1.424	0.844	229.0	1.687	0.093	1.000
X3.MeC23	ace_dg - met_egg	13.158	0.747	229.0	17.617	0.000	0.000
X3.MeC23	ace_dg - pre_chc	8.817	0.731	229.0	12.058	0.000	0.000
X3.MeC23	ace_dg - pre_dg	0.356	0.739	229.0	0.482	0.630	1.000
X3.MeC23	ace_dg - pre_egg	12.719	0.739	229.0	17.216	0.000	0.000
X3.MeC23	ace_dg - queen_chc	7.491	1.392	229.0	5.381	0.000	0.001
X3.MeC23	ace_dg - queen_dg	4.105	1.050	229.0	3.909	0.000	0.354
X3.MeC23	ace_dg - queen_egg	13.405	0.718	229.0	18.683	0.000	0.000
X3.MeC23	ace_egg - met_chc	-5.194	0.808	229.0	-6.430	0.000	0.000
X3.MeC23	ace_egg - met_dg	-11.437	0.883	229.0	-12.952	0.000	0.000
X3.MeC23	ace_egg - met_egg	0.298	0.790	229.0	0.376	0.707	1.000
X3.MeC23	ace_egg - pre_chc	-4.044	0.776	229.0	-5.215	0.000	0.001
X3.MeC23	ace_egg - pre_dg	-12.504	0.783	229.0	-15.976	0.000	0.000
X3.MeC23	ace_egg - pre_egg	-0.142	0.783	229.0	-0.182	0.856	1.000
X3.MeC23	ace_egg - queen_chc	-5.369	1.416	229.0	-3.792	0.000	0.555
X3.MeC23	ace_egg - queen_dg	-8.756	1.081	229.0	-8.097	0.000	0.000
X3.MeC23	ace_egg - queen_egg	0.544	0.763	229.0	0.714	0.476	1.000
X3.MeC23	met_chc - met_dg	-6.243	0.874	229.0	-7.144	0.000	0.000
X3.MeC23	met_chc - met_egg	5.491	0.780	229.0	7.038	0.000	0.000
X3.MeC23	met_chc - pre_chc	1.149	0.765	229.0	1.502	0.134	1.000
X3.MeC23	met_chc - pre_dg	-7.311	0.772	229.0	-9.464	0.000	0.000
X3.MeC23	met_chc - pre_egg	5.051	0.772	229.0	6.539	0.000	0.000
X3.MeC23	met_chc - queen_chc	-0.176	1.410	229.0	-0.125	0.901	1.000
X3.MeC23	met_chc - queen_dg	-3.562	1.074	229.0	-3.317	0.001	1.000
X3.MeC23	met_chc - queen_egg	5.738	0.752	229.0	7.629	0.000	0.000
X3.MeC23	met_dg - met_egg	11.734	0.858	229.0	13.677	0.000	0.000
X3.MeC23	met_dg - pre_chc	7.393	0.844	229.0	8.756	0.000	0.000
X3.MeC23	met_dg - pre_dg	-1.068	0.851	229.0	-1.255	0.211	1.000
X3.MeC23	met_dg - pre_egg	11.294	0.851	229.0	13.274	0.000	0.000
X3.MeC23	met_dg - queen_chc	6.067	1.455	229.0	4.171	0.000	0.125
X3.MeC23	met_dg - queen_dg	2.681	1.132	229.0	2.369	0.019	1.000
X3.MeC23	met_dg - queen_egg	11.981	0.832	229.0	14.392	0.000	0.000
X3.MeC23	met_egg - pre_chc	-4.342	0.747	229.0	-5.813	0.000	0.000
X3.MeC23	met_egg - pre_dg	-12.802	0.754	229.0	-16.971	0.000	0.000
X3.MeC23	met_egg - pre_egg	-0.440	0.754	229.0	-0.583	0.560	1.000
X3.MeC23	met_egg - queen_chc	-5.667	1.400	229.0	-4.046	0.000	0.207
X3.MeC23	met_egg - queen_dg	-9.053	1.061	229.0	-8.532	0.000	0.000
X3.MeC23	met_egg - queen_egg	0.247	0.734	229.0	0.336	0.737	1.000
X3.MeC23	pre_chc - pre_dg	-8.460	0.739	229.0	-11.452	0.000	0.000
X3.MeC23	pre_chc - pre_egg	3.902	0.739	229.0	5.282	0.000	0.001
X3.MeC23	pre_chc - queen_chc	-1.325	1.392	229.0	-0.952	0.342	1.000
X3.MeC23	pre_chc - queen_dg	-4.712	1.050	229.0	-4.487	0.000	0.033

X3.MeC23	pre_chc - queen_egg	4.588	0.718	229.0	6.395	0.000	0.000
X3.MeC23	pre_dg - pre_egg	12.362	0.746	229.0	16.565	0.000	0.000
X3.MeC23	pre_dg - queen_chc	7.135	1.396	229.0	5.111	0.000	0.002
X3.MeC23	pre_dg - queen_dg	3.748	1.055	229.0	3.552	0.000	1.000
X3.MeC23	pre_dg - queen_egg	13.049	0.725	229.0	17.992	0.000	0.000
X3.MeC23	pre_egg - queen_chc	-5.227	1.396	229.0	-3.744	0.000	0.665
X3.MeC23	pre_egg - queen_dg	-8.614	1.055	229.0	-8.162	0.000	0.000
X3.MeC23	pre_egg - queen_egg	0.687	0.725	229.0	0.947	0.345	1.000
X3.MeC23	queen_chc - queen_dg	-3.387	1.583	229.0	-2.139	0.033	1.000
X3.MeC23	queen_chc - queen_egg	5.914	1.385	229.0	4.270	0.000	0.083
X3.MeC23	queen_dg - queen_egg	9.300	1.041	229.0	8.937	0.000	0.000
X3.MeC25	ace_chc - ace_dg	0.056	0.167	229.0	0.332	0.740	1.000
X3.MeC25	ace_chc - ace_egg	0.484	0.177	229.0	2.728	0.007	1.000
X3.MeC25	ace_chc - met_chc	-0.075	0.175	229.0	-0.426	0.671	1.000
X3.MeC25	ace_chc - met_dg	-0.384	0.193	229.0	-1.988	0.048	1.000
X3.MeC25	ace_chc - met_egg	0.470	0.171	229.0	2.750	0.006	1.000
X3.MeC25	ace_chc - pre_chc	0.038	0.167	229.0	0.228	0.820	1.000
X3.MeC25	ace_chc - pre_dg	-0.182	0.169	229.0	-1.078	0.282	1.000
X3.MeC25	ace_chc - pre_egg	0.423	0.169	229.0	2.504	0.013	1.000
X3.MeC25	ace_chc - queen_chc	-0.217	0.319	229.0	-0.681	0.496	1.000
X3.MeC25	ace_chc - queen_dg	0.970	0.240	229.0	4.036	0.000	0.215
X3.MeC25	ace_chc - queen_egg	-0.275	0.164	229.0	-1.673	0.096	1.000
X3.MeC25	ace_dg - ace_egg	0.429	0.177	229.0	2.415	0.017	1.000
X3.MeC25	ace_dg - met_chc	-0.130	0.175	229.0	-0.743	0.458	1.000
X3.MeC25	ace_dg - met_dg	-0.440	0.193	229.0	-2.275	0.024	1.000
X3.MeC25	ace_dg - met_egg	0.414	0.171	229.0	2.425	0.016	1.000
X3.MeC25	ace_dg - pre_chc	-0.018	0.167	229.0	-0.105	0.917	1.000
X3.MeC25	ace_dg - pre_dg	-0.238	0.169	229.0	-1.407	0.161	1.000
X3.MeC25	ace_dg - pre_egg	0.368	0.169	229.0	2.175	0.031	1.000
X3.MeC25	ace_dg - queen_chc	-0.273	0.319	229.0	-0.856	0.393	1.000
X3.MeC25	ace_dg - queen_dg	0.914	0.240	229.0	3.804	0.000	0.530
X3.MeC25	ace_dg - queen_egg	-0.330	0.164	229.0	-2.012	0.045	1.000
X3.MeC25	ace_egg - met_chc	-0.559	0.185	229.0	-3.023	0.003	1.000
X3.MeC25	ace_egg - met_dg	-0.868	0.202	229.0	-4.296	0.000	0.075
X3.MeC25	ace_egg - met_egg	-0.014	0.181	229.0	-0.078	0.938	1.000
X3.MeC25	ace_egg - pre_chc	-0.446	0.177	229.0	-2.513	0.013	1.000
X3.MeC25	ace_egg - pre_dg	-0.666	0.179	229.0	-3.720	0.000	0.728
X3.MeC25	ace_egg - pre_egg	-0.061	0.179	229.0	-0.340	0.735	1.000
X3.MeC25	ace_egg - queen_chc	-0.701	0.324	229.0	-2.164	0.032	1.000
X3.MeC25	ace_egg - queen_dg	0.486	0.247	229.0	1.963	0.051	1.000
X3.MeC25	ace_egg - queen_egg	-0.759	0.175	229.0	-4.348	0.000	0.060
X3.MeC25	met_chc - met_dg	-0.309	0.200	229.0	-1.547	0.123	1.000
X3.MeC25	met_chc - met_egg	0.545	0.179	229.0	3.050	0.003	1.000
X3.MeC25	met_chc - pre_chc	0.113	0.175	229.0	0.643	0.521	1.000
X3.MeC25	met_chc - pre_dg	-0.108	0.177	229.0	-0.609	0.543	1.000
X3.MeC25	met_chc - pre_egg	0.498	0.177	229.0	2.817	0.005	1.000
X3.MeC25	met_chc - queen_chc	-0.142	0.323	229.0	-0.441	0.659	1.000
X3.MeC25	met_chc - queen_dg	1.044	0.246	229.0	4.249	0.000	0.091
X3.MeC25	met_chc - queen_egg	-0.200	0.172	229.0	-1.163	0.246	1.000
X3.MeC25	met_dg - met_egg	0.854	0.196	229.0	4.350	0.000	0.060
X3.MeC25	met_dg - pre_chc	0.422	0.193	229.0	2.185	0.030	1.000
X3.MeC25	met_dg - pre_dg	0.202	0.195	229.0	1.037	0.301	1.000
X3.MeC25	met_dg - pre_egg	0.807	0.195	229.0	4.146	0.000	0.138
X3.MeC25	met_dg - queen_chc	0.167	0.333	229.0	0.502	0.616	1.000
X3.MeC25	met_dg - queen_dg	1.354	0.259	229.0	5.227	0.000	0.001
X3.MeC25	met_dg - queen_egg	0.109	0.191	229.0	0.574	0.567	1.000
X3.MeC25	met_egg - pre_chc	-0.432	0.171	229.0	-2.527	0.012	1.000
X3.MeC25	met_egg - pre_dg	-0.652	0.173	229.0	-3.779	0.000	0.584
X3.MeC25	met_egg - pre_egg	-0.047	0.173	229.0	-0.271	0.787	1.000
X3.MeC25	met_egg - queen_chc	-0.687	0.320	229.0	-2.144	0.033	1.000
X3.MeC25	met_egg - queen_dg	0.500	0.243	229.0	2.058	0.041	1.000
X3.MeC25	met_egg - queen_egg	-0.745	0.168	229.0	-4.437	0.000	0.041
X3.MeC25	pre_chc - pre_dg	-0.220	0.169	229.0	-1.303	0.194	1.000
X3.MeC25	pre_chc - pre_egg	0.385	0.169	229.0	2.279	0.024	1.000

X3.MeC25	pre_chc - queen_chc	-0.255	0.319	229.0	-0.801	0.424	1.000
X3.MeC25	pre_chc - queen_dg	0.932	0.240	229.0	3.877	0.000	0.401
X3.MeC25	pre_chc - queen_egg	-0.313	0.164	229.0	-1.905	0.058	1.000
X3.MeC25	pre_dg - pre_egg	0.606	0.171	229.0	3.546	0.000	1.000
X3.MeC25	pre_dg - queen_chc	-0.035	0.320	229.0	-0.109	0.913	1.000
X3.MeC25	pre_dg - queen_dg	1.152	0.242	229.0	4.770	0.000	0.010
X3.MeC25	pre_dg - queen_egg	-0.093	0.166	229.0	-0.558	0.578	1.000
X3.MeC25	pre_egg - queen_chc	-0.640	0.320	229.0	-2.004	0.046	1.000
X3.MeC25	pre_egg - queen_dg	0.547	0.242	229.0	2.263	0.025	1.000
X3.MeC25	pre_egg - queen_egg	-0.698	0.166	229.0	-4.206	0.000	0.108
X3.MeC25	queen_chc - queen_dg	1.187	0.362	229.0	3.276	0.001	1.000
X3.MeC25	queen_chc - queen_egg	-0.058	0.317	229.0	-0.182	0.856	1.000
X3.MeC25	queen_dg - queen_egg	-1.245	0.238	229.0	-5.226	0.000	0.001
X3.MeC27	ace_chc - ace_dg	-13.494	0.158	229.0	-85.562	0.000	0.000
X3.MeC27	ace_chc - ace_egg	-12.955	0.167	229.0	-77.446	0.000	0.000
X3.MeC27	ace_chc - met_chc	0.000	0.165	229.0	0.000	1.000	1.000
X3.MeC27	ace_chc - met_dg	-13.691	0.182	229.0	-75.181	0.000	0.000
X3.MeC27	ace_chc - met_egg	-13.203	0.161	229.0	-81.954	0.000	0.000
X3.MeC27	ace_chc - pre_chc	0.000	0.158	229.0	0.000	1.000	1.000
X3.MeC27	ace_chc - pre_dg	-13.594	0.159	229.0	-85.317	0.000	0.000
X3.MeC27	ace_chc - pre_egg	-13.032	0.159	229.0	-81.784	0.000	0.000
X3.MeC27	ace_chc - queen_chc	0.000	0.300	229.0	0.000	1.000	1.000
X3.MeC27	ace_chc - queen_dg	-13.313	0.226	229.0	-58.781	0.000	0.000
X3.MeC27	ace_chc - queen_egg	-13.588	0.155	229.0	-87.803	0.000	0.000
X3.MeC27	ace_dg - ace_egg	0.539	0.167	229.0	3.222	0.001	1.000
X3.MeC27	ace_dg - met_chc	13.494	0.165	229.0	81.757	0.000	0.000
X3.MeC27	ace_dg - met_dg	-0.197	0.182	229.0	-1.083	0.280	1.000
X3.MeC27	ace_dg - met_egg	0.291	0.161	229.0	1.806	0.072	1.000
X3.MeC27	ace_dg - pre_chc	13.494	0.158	229.0	85.561	0.000	0.000
X3.MeC27	ace_dg - pre_dg	-0.101	0.159	229.0	-0.632	0.528	1.000
X3.MeC27	ace_dg - pre_egg	0.462	0.159	229.0	2.900	0.004	1.000
X3.MeC27	ace_dg - queen_chc	13.494	0.300	229.0	44.939	0.000	0.000
X3.MeC27	ace_dg - queen_dg	0.180	0.226	229.0	0.797	0.426	1.000
X3.MeC27	ace_dg - queen_egg	-0.095	0.155	229.0	-0.611	0.542	1.000
X3.MeC27	ace_egg - met_chc	12.955	0.174	229.0	74.363	0.000	0.000
X3.MeC27	ace_egg - met_dg	-0.736	0.190	229.0	-3.865	0.000	0.420
X3.MeC27	ace_egg - met_egg	-0.248	0.170	229.0	-1.455	0.147	1.000
X3.MeC27	ace_egg - pre_chc	12.955	0.167	229.0	77.446	0.000	0.000
X3.MeC27	ace_egg - pre_dg	-0.640	0.169	229.0	-3.790	0.000	0.560
X3.MeC27	ace_egg - pre_egg	-0.077	0.169	229.0	-0.455	0.649	1.000
X3.MeC27	ace_egg - queen_chc	12.955	0.305	229.0	42.419	0.000	0.000
X3.MeC27	ace_egg - queen_dg	-0.359	0.233	229.0	-1.537	0.126	1.000
X3.MeC27	ace_egg - queen_egg	-0.634	0.164	229.0	-3.852	0.000	0.442
X3.MeC27	met_chc - met_dg	-13.691	0.188	229.0	-72.632	0.000	0.000
X3.MeC27	met_chc - met_egg	-13.203	0.168	229.0	-78.452	0.000	0.000
X3.MeC27	met_chc - pre_chc	0.000	0.165	229.0	0.000	1.000	1.000
X3.MeC27	met_chc - pre_dg	-13.594	0.167	229.0	-81.595	0.000	0.000
X3.MeC27	met_chc - pre_egg	-13.032	0.167	229.0	-78.217	0.000	0.000
X3.MeC27	met_chc - queen_chc	0.000	0.304	229.0	0.000	1.000	1.000
X3.MeC27	met_chc - queen_dg	-13.313	0.232	229.0	-57.469	0.000	0.000
X3.MeC27	met_chc - queen_egg	-13.588	0.162	229.0	-83.759	0.000	0.000
X3.MeC27	met_dg - met_egg	0.488	0.185	229.0	2.638	0.009	1.000
X3.MeC27	met_dg - pre_chc	13.691	0.182	229.0	75.181	0.000	0.000
X3.MeC27	met_dg - pre_dg	0.096	0.184	229.0	0.525	0.600	1.000
X3.MeC27	met_dg - pre_egg	0.659	0.184	229.0	3.593	0.000	1.000
X3.MeC27	met_dg - queen_chc	13.691	0.314	229.0	43.633	0.000	0.000
X3.MeC27	met_dg - queen_dg	0.378	0.244	229.0	1.547	0.123	1.000
X3.MeC27	met_dg - queen_egg	0.103	0.180	229.0	0.571	0.568	1.000
X3.MeC27	met_egg - pre_chc	13.203	0.161	229.0	81.954	0.000	0.000
X3.MeC27	met_egg - pre_dg	-0.392	0.163	229.0	-2.408	0.017	1.000
X3.MeC27	met_egg - pre_egg	0.171	0.163	229.0	1.052	0.294	1.000
X3.MeC27	met_egg - queen_chc	13.203	0.302	229.0	43.709	0.000	0.000
X3.MeC27	met_egg - queen_dg	-0.111	0.229	229.0	-0.483	0.630	1.000
X3.MeC27	met_egg - queen_egg	-0.386	0.158	229.0	-2.437	0.016	1.000

X3.MeC27	pre_chc - pre_dg	-13.594	0.159	229.0	-85.316	0.000	0.000
X3.MeC27	pre_chc - pre_egg	-13.031	0.159	229.0	-81.783	0.000	0.000
X3.MeC27	pre_chc - queen_chc	0.000	0.300	229.0	0.000	1.000	1.000
X3.MeC27	pre_chc - queen_dg	-13.313	0.226	229.0	-58.781	0.000	0.000
X3.MeC27	pre_chc - queen_egg	-13.588	0.155	229.0	-87.803	0.000	0.000
X3.MeC27	pre_dg - pre_egg	0.563	0.161	229.0	3.497	0.001	1.000
X3.MeC27	pre_dg - queen_chc	13.594	0.301	229.0	45.145	0.000	0.000
X3.MeC27	pre_dg - queen_dg	0.281	0.228	229.0	1.235	0.218	1.000
X3.MeC27	pre_dg - queen_egg	0.006	0.156	229.0	0.039	0.969	1.000
X3.MeC27	pre_egg - queen_chc	13.031	0.301	229.0	43.275	0.000	0.000
X3.MeC27	pre_egg - queen_dg	-0.282	0.228	229.0	-1.238	0.217	1.000
X3.MeC27	pre_egg - queen_egg	-0.557	0.156	229.0	-3.559	0.000	1.000
X3.MeC27	queen_chc - queen_dg	-13.313	0.341	229.0	-38.990	0.000	0.000
X3.MeC27	queen_chc - queen_egg	-13.588	0.299	229.0	-45.487	0.000	0.000
X3.MeC27	queen_dg - queen_egg	-0.275	0.224	229.0	-1.225	0.222	1.000
X3.MeC29	ace_chc - ace_dg	-0.948	0.917	229.0	-1.034	0.302	1.000
X3.MeC29	ace_chc - ace_egg	-6.772	0.973	229.0	-6.959	0.000	0.000
X3.MeC29	ace_chc - met_chc	0.583	0.960	229.0	0.607	0.545	1.000
X3.MeC29	ace_chc - met_dg	-1.198	1.059	229.0	-1.131	0.259	1.000
X3.MeC29	ace_chc - met_egg	-6.951	0.937	229.0	-7.417	0.000	0.000
X3.MeC29	ace_chc - pre_chc	0.000	0.917	229.0	0.000	1.000	1.000
X3.MeC29	ace_chc - pre_dg	-0.016	0.927	229.0	-0.017	0.987	1.000
X3.MeC29	ace_chc - pre_egg	-7.015	0.927	229.0	-7.568	0.000	0.000
X3.MeC29	ace_chc - queen_chc	0.072	1.747	229.0	0.041	0.967	1.000
X3.MeC29	ace_chc - queen_dg	-2.307	1.318	229.0	-1.751	0.081	1.000
X3.MeC29	ace_chc - queen_egg	-6.648	0.900	229.0	-7.384	0.000	0.000
X3.MeC29	ace_dg - ace_egg	-5.824	0.973	229.0	-5.985	0.000	0.000
X3.MeC29	ace_dg - met_chc	1.531	0.960	229.0	1.594	0.112	1.000
X3.MeC29	ace_dg - met_dg	-0.249	1.059	229.0	-0.235	0.814	1.000
X3.MeC29	ace_dg - met_egg	-6.002	0.937	229.0	-6.405	0.000	0.000
X3.MeC29	ace_dg - pre_chc	0.948	0.917	229.0	1.034	0.302	1.000
X3.MeC29	ace_dg - pre_dg	0.933	0.927	229.0	1.006	0.315	1.000
X3.MeC29	ace_dg - pre_egg	-6.066	0.927	229.0	-6.545	0.000	0.000
X3.MeC29	ace_dg - queen_chc	1.020	1.747	229.0	0.584	0.560	1.000
X3.MeC29	ace_dg - queen_dg	-1.358	1.318	229.0	-1.031	0.304	1.000
X3.MeC29	ace_dg - queen_egg	-5.700	0.900	229.0	-6.331	0.000	0.000
X3.MeC29	ace_egg - met_chc	7.354	1.013	229.0	7.257	0.000	0.000
X3.MeC29	ace_egg - met_dg	5.574	1.108	229.0	5.031	0.000	0.003
X3.MeC29	ace_egg - met_egg	-0.179	0.992	229.0	-0.180	0.857	1.000
X3.MeC29	ace_egg - pre_chc	6.772	0.973	229.0	6.959	0.000	0.000
X3.MeC29	ace_egg - pre_dg	6.756	0.982	229.0	6.880	0.000	0.000
X3.MeC29	ace_egg - pre_egg	-0.243	0.982	229.0	-0.247	0.805	1.000
X3.MeC29	ace_egg - queen_chc	6.844	1.777	229.0	3.852	0.000	0.441
X3.MeC29	ace_egg - queen_dg	4.465	1.357	229.0	3.291	0.001	1.000
X3.MeC29	ace_egg - queen_egg	0.124	0.957	229.0	0.130	0.897	1.000
X3.MeC29	met_chc - met_dg	-1.780	1.097	229.0	-1.624	0.106	1.000
X3.MeC29	met_chc - met_egg	-7.533	0.979	229.0	-7.695	0.000	0.000
X3.MeC29	met_chc - pre_chc	-0.583	0.960	229.0	-0.607	0.545	1.000
X3.MeC29	met_chc - pre_dg	-0.598	0.969	229.0	-0.617	0.538	1.000
X3.MeC29	met_chc - pre_egg	-7.597	0.969	229.0	-7.839	0.000	0.000
X3.MeC29	met_chc - queen_chc	-0.511	1.769	229.0	-0.289	0.773	1.000
X3.MeC29	met_chc - queen_dg	-2.889	1.348	229.0	-2.144	0.033	1.000
X3.MeC29	met_chc - queen_egg	-7.230	0.944	229.0	-7.662	0.000	0.000
X3.MeC29	met_dg - met_egg	-5.753	1.076	229.0	-5.344	0.000	0.001
X3.MeC29	met_dg - pre_chc	1.198	1.059	229.0	1.131	0.259	1.000
X3.MeC29	met_dg - pre_dg	1.182	1.068	229.0	1.107	0.269	1.000
X3.MeC29	met_dg - pre_egg	-5.817	1.068	229.0	-5.449	0.000	0.000
X3.MeC29	met_dg - queen_chc	1.269	1.825	229.0	0.696	0.487	1.000
X3.MeC29	met_dg - queen_dg	-1.109	1.420	229.0	-0.781	0.436	1.000
X3.MeC29	met_dg - queen_egg	-5.450	1.045	229.0	-5.218	0.000	0.001
X3.MeC29	met_egg - pre_chc	6.951	0.937	229.0	7.417	0.000	0.000
X3.MeC29	met_egg - pre_dg	6.935	0.946	229.0	7.327	0.000	0.000
X3.MeC29	met_egg - pre_egg	-0.064	0.946	229.0	-0.068	0.946	1.000
X3.MeC29	met_egg - queen_chc	7.022	1.757	229.0	3.997	0.000	0.252

X3.MeC29	met_egg - queen_dg	4.644	1.331	229.0	3.488	0.001	1.000
X3.MeC29	met_egg - queen_egg	0.303	0.920	229.0	0.329	0.742	1.000
X3.MeC29	pre_chc - pre_dg	-0.016	0.927	229.0	-0.017	0.987	1.000
X3.MeC29	pre_chc - pre_egg	-7.014	0.927	229.0	-7.568	0.000	0.000
X3.MeC29	pre_chc - queen_chc	0.072	1.747	229.0	0.041	0.967	1.000
X3.MeC29	pre_chc - queen_dg	-2.307	1.318	229.0	-1.751	0.081	1.000
X3.MeC29	pre_chc - queen_egg	-6.648	0.900	229.0	-7.384	0.000	0.000
X3.MeC29	pre_dg - pre_egg	-6.999	0.936	229.0	-7.475	0.000	0.000
X3.MeC29	pre_dg - queen_chc	0.087	1.752	229.0	0.050	0.960	1.000
X3.MeC29	pre_dg - queen_dg	-2.291	1.324	229.0	-1.730	0.085	1.000
X3.MeC29	pre_dg - queen_egg	-6.632	0.910	229.0	-7.288	0.000	0.000
X3.MeC29	pre_egg - queen_chc	7.086	1.752	229.0	4.045	0.000	0.207
X3.MeC29	pre_egg - queen_dg	4.708	1.324	229.0	3.555	0.000	1.000
X3.MeC29	pre_egg - queen_egg	0.367	0.910	229.0	0.403	0.687	1.000
X3.MeC29	queen_chc - queen_dg	-2.378	1.986	229.0	-1.197	0.232	1.000
X3.MeC29	queen_chc - queen_egg	-6.720	1.738	229.0	-3.867	0.000	0.417
X3.MeC29	queen_dg - queen_egg	-4.341	1.306	229.0	-3.325	0.001	1.000
X3.MeC31	ace_chc - ace_dg	-12.537	0.343	229.0	-36.518	0.000	0.000
X3.MeC31	ace_chc - ace_egg	0.001	0.364	229.0	0.001	0.999	1.000
X3.MeC31	ace_chc - met_chc	0.000	0.359	229.0	0.000	1.000	1.000
X3.MeC31	ace_chc - met_dg	-12.352	0.396	229.0	-31.160	0.000	0.000
X3.MeC31	ace_chc - met_egg	0.000	0.351	229.0	0.001	0.999	1.000
X3.MeC31	ace_chc - pre_chc	0.000	0.343	229.0	0.000	1.000	1.000
X3.MeC31	ace_chc - pre_dg	-11.308	0.347	229.0	-32.599	0.000	0.000
X3.MeC31	ace_chc - pre_egg	0.000	0.347	229.0	0.001	0.999	1.000
X3.MeC31	ace_chc - queen_chc	0.000	0.654	229.0	0.000	1.000	1.000
X3.MeC31	ace_chc - queen_dg	-13.250	0.493	229.0	-26.874	0.000	0.000
X3.MeC31	ace_chc - queen_egg	0.001	0.337	229.0	0.002	0.999	1.000
X3.MeC31	ace_dg - ace_egg	12.538	0.364	229.0	34.431	0.000	0.000
X3.MeC31	ace_dg - met_chc	12.537	0.359	229.0	34.895	0.000	0.000
X3.MeC31	ace_dg - met_dg	0.185	0.396	229.0	0.466	0.642	1.000
X3.MeC31	ace_dg - met_egg	12.538	0.351	229.0	35.751	0.000	0.000
X3.MeC31	ace_dg - pre_chc	12.537	0.343	229.0	36.518	0.000	0.000
X3.MeC31	ace_dg - pre_dg	1.229	0.347	229.0	3.544	0.000	1.000
X3.MeC31	ace_dg - pre_egg	12.538	0.347	229.0	36.145	0.000	0.000
X3.MeC31	ace_dg - queen_chc	12.537	0.654	229.0	19.180	0.000	0.000
X3.MeC31	ace_dg - queen_dg	-0.713	0.493	229.0	-1.446	0.150	1.000
X3.MeC31	ace_dg - queen_egg	12.538	0.337	229.0	37.216	0.000	0.000
X3.MeC31	ace_egg - met_chc	-0.001	0.379	229.0	-0.001	0.999	1.000
X3.MeC31	ace_egg - met_dg	-12.353	0.415	229.0	-29.796	0.000	0.000
X3.MeC31	ace_egg - met_egg	0.000	0.371	229.0	0.000	1.000	1.000
X3.MeC31	ace_egg - pre_chc	-0.001	0.364	229.0	-0.002	0.999	1.000
X3.MeC31	ace_egg - pre_dg	-11.308	0.367	229.0	-30.771	0.000	0.000
X3.MeC31	ace_egg - pre_egg	0.000	0.367	229.0	0.000	1.000	1.000
X3.MeC31	ace_egg - queen_chc	-0.001	0.665	229.0	-0.001	0.999	1.000
X3.MeC31	ace_egg - queen_dg	-13.251	0.508	229.0	-26.096	0.000	0.000
X3.MeC31	ace_egg - queen_egg	0.000	0.358	229.0	0.000	1.000	1.000
X3.MeC31	met_chc - met_dg	-12.352	0.410	229.0	-30.103	0.000	0.000
X3.MeC31	met_chc - met_egg	0.000	0.366	229.0	0.001	0.999	1.000
X3.MeC31	met_chc - pre_chc	0.000	0.359	229.0	0.000	1.000	1.000
X3.MeC31	met_chc - pre_dg	-11.308	0.363	229.0	-31.178	0.000	0.000
X3.MeC31	met_chc - pre_egg	0.000	0.363	229.0	0.001	0.999	1.000
X3.MeC31	met_chc - queen_chc	0.000	0.662	229.0	0.000	1.000	1.000
X3.MeC31	met_chc - queen_dg	-13.250	0.504	229.0	-26.274	0.000	0.000
X3.MeC31	met_chc - queen_egg	0.001	0.353	229.0	0.001	0.999	1.000
X3.MeC31	met_dg - met_egg	12.353	0.403	229.0	30.665	0.000	0.000
X3.MeC31	met_dg - pre_chc	12.352	0.396	229.0	31.160	0.000	0.000
X3.MeC31	met_dg - pre_dg	1.045	0.400	229.0	2.615	0.010	1.000
X3.MeC31	met_dg - pre_egg	12.353	0.400	229.0	30.920	0.000	0.000
X3.MeC31	met_dg - queen_chc	12.352	0.683	229.0	18.084	0.000	0.000
X3.MeC31	met_dg - queen_dg	-0.898	0.531	229.0	-1.689	0.093	1.000
X3.MeC31	met_dg - queen_egg	12.353	0.391	229.0	31.603	0.000	0.000
X3.MeC31	met_egg - pre_chc	-0.001	0.351	229.0	-0.001	0.999	1.000
X3.MeC31	met_egg - pre_dg	-11.308	0.354	229.0	-31.928	0.000	0.000

X3.MeC31	met_egg - pre_egg	0.000	0.354	229.0	0.000	1.000	1.000
X3.MeC31	met_egg - queen_chc	-0.001	0.658	229.0	-0.001	0.999	1.000
X3.MeC31	met_egg - queen_dg	-13.250	0.498	229.0	-26.596	0.000	0.000
X3.MeC31	met_egg - queen_egg	0.000	0.344	229.0	0.000	1.000	1.000
X3.MeC31	pre_chc - pre_dg	-11.308	0.347	229.0	-32.599	0.000	0.000
X3.MeC31	pre_chc - pre_egg	0.000	0.347	229.0	0.001	0.999	1.000
X3.MeC31	pre_chc - queen_chc	0.000	0.654	229.0	0.000	1.000	1.000
X3.MeC31	pre_chc - queen_dg	-13.250	0.493	229.0	-26.874	0.000	0.000
X3.MeC31	pre_chc - queen_egg	0.001	0.337	229.0	0.002	0.999	1.000
X3.MeC31	pre_dg - pre_egg	11.308	0.350	229.0	32.273	0.000	0.000
X3.MeC31	pre_dg - queen_chc	11.308	0.656	229.0	17.250	0.000	0.000
X3.MeC31	pre_dg - queen_dg	-1.942	0.496	229.0	-3.920	0.000	0.340
X3.MeC31	pre_dg - queen_egg	11.308	0.341	229.0	33.209	0.000	0.000
X3.MeC31	pre_egg - queen_chc	-0.001	0.656	229.0	-0.001	0.999	1.000
X3.MeC31	pre_egg - queen_dg	-13.250	0.496	229.0	-26.740	0.000	0.000
X3.MeC31	pre_egg - queen_egg	0.000	0.341	229.0	0.000	1.000	1.000
X3.MeC31	queen_chc - queen_dg	-13.250	0.743	229.0	-17.826	0.000	0.000
X3.MeC31	queen_chc - queen_egg	0.001	0.650	229.0	0.001	0.999	1.000
X3.MeC31	queen_dg - queen_egg	13.251	0.489	229.0	27.120	0.000	0.000
X4.MeC24	ace_chc - ace_dg	6.504	0.191	229.0	34.122	0.000	0.000
X4.MeC24	ace_chc - ace_egg	6.504	0.202	229.0	32.171	0.000	0.000
X4.MeC24	ace_chc - met_chc	-0.334	0.199	229.0	-1.676	0.095	1.000
X4.MeC24	ace_chc - met_dg	6.504	0.220	229.0	29.549	0.000	0.000
X4.MeC24	ace_chc - met_egg	6.504	0.195	229.0	33.403	0.000	0.000
X4.MeC24	ace_chc - pre_chc	-0.226	0.191	229.0	-1.185	0.237	1.000
X4.MeC24	ace_chc - pre_dg	6.504	0.193	229.0	33.771	0.000	0.000
X4.MeC24	ace_chc - pre_egg	6.504	0.193	229.0	33.772	0.000	0.000
X4.MeC24	ace_chc - queen_chc	-0.140	0.363	229.0	-0.387	0.699	1.000
X4.MeC24	ace_chc - queen_dg	6.504	0.274	229.0	23.758	0.000	0.000
X4.MeC24	ace_chc - queen_egg	6.504	0.187	229.0	34.772	0.000	0.000
X4.MeC24	ace_dg - ace_egg	0.000	0.202	229.0	0.001	1.000	1.000
X4.MeC24	ace_dg - met_chc	-6.838	0.199	229.0	-34.280	0.000	0.000
X4.MeC24	ace_dg - met_dg	0.000	0.220	229.0	-0.001	0.999	1.000
X4.MeC24	ace_dg - met_egg	0.000	0.195	229.0	0.000	1.000	1.000
X4.MeC24	ace_dg - pre_chc	-6.730	0.191	229.0	-35.306	0.000	0.000
X4.MeC24	ace_dg - pre_dg	0.000	0.193	229.0	0.000	1.000	1.000
X4.MeC24	ace_dg - pre_egg	0.000	0.193	229.0	0.000	1.000	1.000
X4.MeC24	ace_dg - queen_chc	-6.644	0.363	229.0	-18.308	0.000	0.000
X4.MeC24	ace_dg - queen_dg	0.000	0.274	229.0	-0.001	0.999	1.000
X4.MeC24	ace_dg - queen_egg	0.000	0.187	229.0	0.000	1.000	1.000
X4.MeC24	ace_egg - met_chc	-6.838	0.211	229.0	-32.477	0.000	0.000
X4.MeC24	ace_egg - met_dg	0.000	0.230	229.0	-0.001	0.999	1.000
X4.MeC24	ace_egg - met_egg	0.000	0.206	229.0	0.000	1.000	1.000
X4.MeC24	ace_egg - pre_chc	-6.730	0.202	229.0	-33.288	0.000	0.000
X4.MeC24	ace_egg - pre_dg	0.000	0.204	229.0	-0.001	0.999	1.000
X4.MeC24	ace_egg - pre_egg	0.000	0.204	229.0	-0.001	1.000	1.000
X4.MeC24	ace_egg - queen_chc	-6.645	0.369	229.0	-18.001	0.000	0.000
X4.MeC24	ace_egg - queen_dg	0.000	0.282	229.0	-0.001	0.999	1.000
X4.MeC24	ace_egg - queen_egg	0.000	0.199	229.0	0.000	1.000	1.000
X4.MeC24	met_chc - met_dg	6.838	0.228	229.0	30.014	0.000	0.000
X4.MeC24	met_chc - met_egg	6.838	0.203	229.0	33.619	0.000	0.000
X4.MeC24	met_chc - pre_chc	0.108	0.199	229.0	0.544	0.587	1.000
X4.MeC24	met_chc - pre_dg	6.838	0.201	229.0	33.958	0.000	0.000
X4.MeC24	met_chc - pre_egg	6.838	0.201	229.0	33.959	0.000	0.000
X4.MeC24	met_chc - queen_chc	0.194	0.368	229.0	0.527	0.598	1.000
X4.MeC24	met_chc - queen_dg	6.838	0.280	229.0	24.422	0.000	0.000
X4.MeC24	met_chc - queen_egg	6.838	0.196	229.0	34.875	0.000	0.000
X4.MeC24	met_dg - met_egg	0.000	0.224	229.0	0.001	0.999	1.000
X4.MeC24	met_dg - pre_chc	-6.730	0.220	229.0	-30.575	0.000	0.000
X4.MeC24	met_dg - pre_dg	0.000	0.222	229.0	0.001	0.999	1.000
X4.MeC24	met_dg - pre_egg	0.000	0.222	229.0	0.001	0.999	1.000
X4.MeC24	met_dg - queen_chc	-6.644	0.379	229.0	-17.520	0.000	0.000
X4.MeC24	met_dg - queen_dg	0.000	0.295	229.0	0.000	1.000	1.000
X4.MeC24	met_dg - queen_egg	0.000	0.217	229.0	0.002	0.999	1.000

X4.MeC24	met_egg - pre_chc	-6.730	0.195	229.0	-34.563	0.000	0.000
X4.MeC24	met_egg - pre_dg	0.000	0.197	229.0	-0.001	1.000	1.000
X4.MeC24	met_egg - pre_egg	0.000	0.197	229.0	0.000	1.000	1.000
X4.MeC24	met_egg - queen_chc	-6.644	0.365	229.0	-18.200	0.000	0.000
X4.MeC24	met_egg - queen_dg	0.000	0.277	229.0	-0.001	0.999	1.000
X4.MeC24	met_egg - queen_egg	0.000	0.191	229.0	0.000	1.000	1.000
X4.MeC24	pre_chc - pre_dg	6.730	0.193	229.0	34.944	0.000	0.000
X4.MeC24	pre_chc - pre_egg	6.730	0.193	229.0	34.944	0.000	0.000
X4.MeC24	pre_chc - queen_chc	0.085	0.363	229.0	0.235	0.814	1.000
X4.MeC24	pre_chc - queen_dg	6.730	0.274	229.0	24.583	0.000	0.000
X4.MeC24	pre_chc - queen_egg	6.730	0.187	229.0	35.979	0.000	0.000
X4.MeC24	pre_dg - pre_egg	0.000	0.195	229.0	0.000	1.000	1.000
X4.MeC24	pre_dg - queen_chc	-6.644	0.364	229.0	-18.256	0.000	0.000
X4.MeC24	pre_dg - queen_dg	0.000	0.275	229.0	-0.001	1.000	1.000
X4.MeC24	pre_dg - queen_egg	0.000	0.189	229.0	0.001	0.999	1.000
X4.MeC24	pre_egg - queen_chc	-6.644	0.364	229.0	-18.256	0.000	0.000
X4.MeC24	pre_egg - queen_dg	0.000	0.275	229.0	-0.001	0.999	1.000
X4.MeC24	pre_egg - queen_egg	0.000	0.189	229.0	0.001	1.000	1.000
X4.MeC24	queen_chc - queen_dg	6.644	0.413	229.0	16.100	0.000	0.000
X4.MeC24	queen_chc - queen_egg	6.644	0.361	229.0	18.403	0.000	0.000
X4.MeC24	queen_dg - queen_egg	0.000	0.271	229.0	0.001	0.999	1.000
X4.MeC26	ace_chc - ace_dg	9.971	0.134	229.0	74.515	0.000	0.000
X4.MeC26	ace_chc - ace_egg	-0.453	0.142	229.0	-3.194	0.002	1.000
X4.MeC26	ace_chc - met_chc	0.101	0.140	229.0	0.724	0.470	1.000
X4.MeC26	ace_chc - met_dg	9.970	0.155	229.0	64.531	0.000	0.000
X4.MeC26	ace_chc - met_egg	-0.218	0.137	229.0	-1.596	0.112	1.000
X4.MeC26	ace_chc - pre_chc	0.141	0.134	229.0	1.055	0.292	1.000
X4.MeC26	ace_chc - pre_dg	9.971	0.135	229.0	73.750	0.000	0.000
X4.MeC26	ace_chc - pre_egg	-0.242	0.135	229.0	-1.790	0.075	1.000
X4.MeC26	ace_chc - queen_chc	0.668	0.255	229.0	2.622	0.009	1.000
X4.MeC26	ace_chc - queen_dg	9.970	0.192	229.0	51.884	0.000	0.000
X4.MeC26	ace_chc - queen_egg	-0.163	0.131	229.0	-1.245	0.215	1.000
X4.MeC26	ace_dg - ace_egg	-10.424	0.142	229.0	-73.447	0.000	0.000
X4.MeC26	ace_dg - met_chc	-9.869	0.140	229.0	-70.477	0.000	0.000
X4.MeC26	ace_dg - met_dg	0.000	0.155	229.0	-0.002	0.999	1.000
X4.MeC26	ace_dg - met_egg	-10.189	0.137	229.0	-74.542	0.000	0.000
X4.MeC26	ace_dg - pre_chc	-9.829	0.134	229.0	-73.460	0.000	0.000
X4.MeC26	ace_dg - pre_dg	0.000	0.135	229.0	-0.001	1.000	1.000
X4.MeC26	ace_dg - pre_egg	-10.213	0.135	229.0	-75.541	0.000	0.000
X4.MeC26	ace_dg - queen_chc	-9.303	0.255	229.0	-36.515	0.000	0.000
X4.MeC26	ace_dg - queen_dg	0.000	0.192	229.0	-0.001	0.999	1.000
X4.MeC26	ace_dg - queen_egg	-10.134	0.131	229.0	-77.179	0.000	0.000
X4.MeC26	ace_egg - met_chc	0.555	0.148	229.0	3.753	0.000	0.644
X4.MeC26	ace_egg - met_dg	10.424	0.162	229.0	64.508	0.000	0.000
X4.MeC26	ace_egg - met_egg	0.235	0.145	229.0	1.625	0.105	1.000
X4.MeC26	ace_egg - pre_chc	0.594	0.142	229.0	4.189	0.000	0.116
X4.MeC26	ace_egg - pre_dg	10.424	0.143	229.0	72.776	0.000	0.000
X4.MeC26	ace_egg - pre_egg	0.211	0.143	229.0	1.475	0.142	1.000
X4.MeC26	ace_egg - queen_chc	1.121	0.259	229.0	4.328	0.000	0.065
X4.MeC26	ace_egg - queen_dg	10.424	0.198	229.0	52.671	0.000	0.000
X4.MeC26	ace_egg - queen_egg	0.290	0.140	229.0	2.077	0.039	1.000
X4.MeC26	met_chc - met_dg	9.869	0.160	229.0	61.708	0.000	0.000
X4.MeC26	met_chc - met_egg	-0.320	0.143	229.0	-2.238	0.026	1.000
X4.MeC26	met_chc - pre_chc	0.040	0.140	229.0	0.284	0.777	1.000
X4.MeC26	met_chc - pre_dg	9.869	0.141	229.0	69.816	0.000	0.000
X4.MeC26	met_chc - pre_egg	-0.343	0.141	229.0	-2.430	0.016	1.000
X4.MeC26	met_chc - queen_chc	0.567	0.258	229.0	2.196	0.029	1.000
X4.MeC26	met_chc - queen_dg	9.869	0.197	229.0	50.211	0.000	0.000
X4.MeC26	met_chc - queen_egg	-0.265	0.138	229.0	-1.924	0.056	1.000
X4.MeC26	met_dg - met_egg	-10.189	0.157	229.0	-64.893	0.000	0.000
X4.MeC26	met_dg - pre_chc	-9.829	0.155	229.0	-63.617	0.000	0.000
X4.MeC26	met_dg - pre_dg	0.000	0.156	229.0	0.001	0.999	1.000
X4.MeC26	met_dg - pre_egg	-10.212	0.156	229.0	-65.587	0.000	0.000
X4.MeC26	met_dg - queen_chc	-9.302	0.266	229.0	-34.943	0.000	0.000

X4.MeC26	met_dg - queen_dg	0.000	0.207	229.0	0.000	1.000	1.000
X4.MeC26	met_dg - queen_egg	-10.134	0.152	229.0	-66.519	0.000	0.000
X4.MeC26	met_egg - pre_chc	0.359	0.137	229.0	2.629	0.009	1.000
X4.MeC26	met_egg - pre_dg	10.189	0.138	229.0	73.809	0.000	0.000
X4.MeC26	met_egg - pre_egg	-0.024	0.138	229.0	-0.173	0.863	1.000
X4.MeC26	met_egg - queen_chc	0.886	0.256	229.0	3.458	0.001	1.000
X4.MeC26	met_egg - queen_dg	10.189	0.194	229.0	52.470	0.000	0.000
X4.MeC26	met_egg - queen_egg	0.055	0.134	229.0	0.408	0.684	1.000
X4.MeC26	pre_chc - pre_dg	9.829	0.135	229.0	72.706	0.000	0.000
X4.MeC26	pre_chc - pre_egg	-0.383	0.135	229.0	-2.835	0.005	1.000
X4.MeC26	pre_chc - queen_chc	0.527	0.255	229.0	2.068	0.040	1.000
X4.MeC26	pre_chc - queen_dg	9.829	0.192	229.0	51.150	0.000	0.000
X4.MeC26	pre_chc - queen_egg	-0.305	0.131	229.0	-2.320	0.021	1.000
X4.MeC26	pre_dg - pre_egg	-10.213	0.137	229.0	-74.781	0.000	0.000
X4.MeC26	pre_dg - queen_chc	-9.302	0.255	229.0	-36.410	0.000	0.000
X4.MeC26	pre_dg - queen_dg	0.000	0.193	229.0	-0.001	0.999	1.000
X4.MeC26	pre_dg - queen_egg	-10.134	0.133	229.0	-76.357	0.000	0.000
X4.MeC26	pre_egg - queen_chc	0.910	0.255	229.0	3.562	0.000	1.000
X4.MeC26	pre_egg - queen_dg	10.212	0.193	229.0	52.878	0.000	0.000
X4.MeC26	pre_egg - queen_egg	0.079	0.133	229.0	0.592	0.554	1.000
X4.MeC26	queen_chc - queen_dg	9.302	0.290	229.0	32.110	0.000	0.000
X4.MeC26	queen_chc - queen_egg	-0.831	0.253	229.0	-3.281	0.001	1.000
X4.MeC26	queen_dg - queen_egg	-10.134	0.190	229.0	-53.215	0.000	0.000
X5.MeC23	ace_chc - ace_dg	0.000	0.175	229.0	0.002	0.998	1.000
X5.MeC23	ace_chc - ace_egg	0.001	0.186	229.0	0.003	0.998	1.000
X5.MeC23	ace_chc - met_chc	-0.323	0.183	229.0	-1.760	0.080	1.000
X5.MeC23	ace_chc - met_dg	0.000	0.202	229.0	0.001	0.999	1.000
X5.MeC23	ace_chc - met_egg	0.000	0.179	229.0	0.003	0.998	1.000
X5.MeC23	ace_chc - pre_chc	-0.271	0.175	229.0	-1.548	0.123	1.000
X5.MeC23	ace_chc - pre_dg	0.000	0.177	229.0	0.002	0.998	1.000
X5.MeC23	ace_chc - pre_egg	0.000	0.177	229.0	0.002	0.998	1.000
X5.MeC23	ace_chc - queen_chc	0.000	0.334	229.0	0.000	1.000	1.000
X5.MeC23	ace_chc - queen_dg	0.000	0.252	229.0	0.001	0.999	1.000
X5.MeC23	ace_chc - queen_egg	0.001	0.172	229.0	0.003	0.998	1.000
X5.MeC23	ace_dg - ace_egg	0.000	0.186	229.0	0.001	1.000	1.000
X5.MeC23	ace_dg - met_chc	-0.323	0.183	229.0	-1.763	0.079	1.000
X5.MeC23	ace_dg - met_dg	0.000	0.202	229.0	-0.001	0.999	1.000
X5.MeC23	ace_dg - met_egg	0.000	0.179	229.0	0.000	1.000	1.000
X5.MeC23	ace_dg - pre_chc	-0.272	0.175	229.0	-1.550	0.122	1.000
X5.MeC23	ace_dg - pre_dg	0.000	0.177	229.0	0.000	1.000	1.000
X5.MeC23	ace_dg - pre_egg	0.000	0.177	229.0	0.000	1.000	1.000
X5.MeC23	ace_dg - queen_chc	-0.001	0.334	229.0	-0.002	0.999	1.000
X5.MeC23	ace_dg - queen_dg	0.000	0.252	229.0	-0.001	0.999	1.000
X5.MeC23	ace_dg - queen_egg	0.000	0.172	229.0	0.001	1.000	1.000
X5.MeC23	ace_egg - met_chc	-0.323	0.194	229.0	-1.670	0.096	1.000
X5.MeC23	ace_egg - met_dg	0.000	0.212	229.0	-0.002	0.999	1.000
X5.MeC23	ace_egg - met_egg	0.000	0.189	229.0	0.000	1.000	1.000
X5.MeC23	ace_egg - pre_chc	-0.272	0.186	229.0	-1.462	0.145	1.000
X5.MeC23	ace_egg - pre_dg	0.000	0.188	229.0	-0.001	0.999	1.000
X5.MeC23	ace_egg - pre_egg	0.000	0.188	229.0	-0.001	1.000	1.000
X5.MeC23	ace_egg - queen_chc	-0.001	0.339	229.0	-0.002	0.998	1.000
X5.MeC23	ace_egg - queen_dg	0.000	0.259	229.0	-0.001	0.999	1.000
X5.MeC23	ace_egg - queen_egg	0.000	0.183	229.0	0.000	1.000	1.000
X5.MeC23	met_chc - met_dg	0.323	0.210	229.0	1.542	0.124	1.000
X5.MeC23	met_chc - met_egg	0.323	0.187	229.0	1.729	0.085	1.000
X5.MeC23	met_chc - pre_chc	0.052	0.183	229.0	0.281	0.779	1.000
X5.MeC23	met_chc - pre_dg	0.323	0.185	229.0	1.746	0.082	1.000
X5.MeC23	met_chc - pre_egg	0.323	0.185	229.0	1.746	0.082	1.000
X5.MeC23	met_chc - queen_chc	0.323	0.338	229.0	0.955	0.341	1.000
X5.MeC23	met_chc - queen_dg	0.323	0.257	229.0	1.255	0.211	1.000
X5.MeC23	met_chc - queen_egg	0.323	0.180	229.0	1.794	0.074	1.000
X5.MeC23	met_dg - met_egg	0.000	0.206	229.0	0.001	0.999	1.000
X5.MeC23	met_dg - pre_chc	-0.271	0.202	229.0	-1.341	0.181	1.000
X5.MeC23	met_dg - pre_dg	0.000	0.204	229.0	0.001	0.999	1.000

X5.MeC23	met_dg - pre_egg	0.000	0.204	229.0	0.001	0.999	1.000
X5.MeC23	met_dg - queen_chc	0.000	0.349	229.0	-0.001	0.999	1.000
X5.MeC23	met_dg - queen_dg	0.000	0.271	229.0	0.000	1.000	1.000
X5.MeC23	met_dg - queen_egg	0.000	0.200	229.0	0.002	0.999	1.000
X5.MeC23	met_egg - pre_chc	-0.272	0.179	229.0	-1.518	0.130	1.000
X5.MeC23	met_egg - pre_dg	0.000	0.181	229.0	-0.001	1.000	1.000
X5.MeC23	met_egg - pre_egg	0.000	0.181	229.0	0.000	1.000	1.000
X5.MeC23	met_egg - queen_chc	-0.001	0.336	229.0	-0.002	0.999	1.000
X5.MeC23	met_egg - queen_dg	0.000	0.254	229.0	-0.001	0.999	1.000
X5.MeC23	met_egg - queen_egg	0.000	0.176	229.0	0.000	1.000	1.000
X5.MeC23	pre_chc - pre_dg	0.272	0.177	229.0	1.534	0.126	1.000
X5.MeC23	pre_chc - pre_egg	0.272	0.177	229.0	1.534	0.126	1.000
X5.MeC23	pre_chc - queen_chc	0.271	0.334	229.0	0.813	0.417	1.000
X5.MeC23	pre_chc - queen_dg	0.271	0.252	229.0	1.079	0.282	1.000
X5.MeC23	pre_chc - queen_egg	0.272	0.172	229.0	1.580	0.115	1.000
X5.MeC23	pre_dg - pre_egg	0.000	0.179	229.0	0.000	1.000	1.000
X5.MeC23	pre_dg - queen_chc	0.000	0.335	229.0	-0.001	0.999	1.000
X5.MeC23	pre_dg - queen_dg	0.000	0.253	229.0	-0.001	1.000	1.000
X5.MeC23	pre_dg - queen_egg	0.000	0.174	229.0	0.001	0.999	1.000
X5.MeC23	pre_egg - queen_chc	-0.001	0.335	229.0	-0.002	0.999	1.000
X5.MeC23	pre_egg - queen_dg	0.000	0.253	229.0	-0.001	0.999	1.000
X5.MeC23	pre_egg - queen_egg	0.000	0.174	229.0	0.001	1.000	1.000
X5.MeC23	queen_chc - queen_dg	0.000	0.379	229.0	0.001	0.999	1.000
X5.MeC23	queen_chc - queen_egg	0.001	0.332	229.0	0.002	0.998	1.000
X5.MeC23	queen_dg - queen_egg	0.000	0.249	229.0	0.001	0.999	1.000
X5.MeC25	ace_chc - ace_dg	9.174	0.268	229.0	34.205	0.000	0.000
X5.MeC25	ace_chc - ace_egg	1.550	0.284	229.0	5.448	0.000	0.000
X5.MeC25	ace_chc - met_chc	0.153	0.281	229.0	0.546	0.586	1.000
X5.MeC25	ace_chc - met_dg	9.173	0.310	229.0	29.622	0.000	0.000
X5.MeC25	ace_chc - met_egg	0.834	0.274	229.0	3.043	0.003	1.000
X5.MeC25	ace_chc - pre_chc	-0.054	0.268	229.0	-0.201	0.841	1.000
X5.MeC25	ace_chc - pre_dg	9.173	0.271	229.0	33.854	0.000	0.000
X5.MeC25	ace_chc - pre_egg	0.909	0.271	229.0	3.354	0.001	1.000
X5.MeC25	ace_chc - queen_chc	1.195	0.511	229.0	2.341	0.020	1.000
X5.MeC25	ace_chc - queen_dg	9.173	0.385	229.0	23.817	0.000	0.000
X5.MeC25	ace_chc - queen_egg	1.160	0.263	229.0	4.407	0.000	0.047
X5.MeC25	ace_dg - ace_egg	-7.624	0.284	229.0	-26.801	0.000	0.000
X5.MeC25	ace_dg - met_chc	-9.020	0.281	229.0	-32.138	0.000	0.000
X5.MeC25	ace_dg - met_dg	0.000	0.310	229.0	-0.001	0.999	1.000
X5.MeC25	ace_dg - met_egg	-8.340	0.274	229.0	-30.442	0.000	0.000
X5.MeC25	ace_dg - pre_chc	-9.227	0.268	229.0	-34.406	0.000	0.000
X5.MeC25	ace_dg - pre_dg	0.000	0.271	229.0	0.000	1.000	1.000
X5.MeC25	ace_dg - pre_egg	-8.265	0.271	229.0	-30.501	0.000	0.000
X5.MeC25	ace_dg - queen_chc	-7.978	0.511	229.0	-15.624	0.000	0.000
X5.MeC25	ace_dg - queen_dg	0.000	0.385	229.0	-0.001	1.000	1.000
X5.MeC25	ace_dg - queen_egg	-8.014	0.263	229.0	-30.450	0.000	0.000
X5.MeC25	ace_egg - met_chc	-1.396	0.296	229.0	-4.714	0.000	0.012
X5.MeC25	ace_egg - met_dg	7.624	0.324	229.0	23.539	0.000	0.000
X5.MeC25	ace_egg - met_egg	-0.716	0.290	229.0	-2.469	0.014	1.000
X5.MeC25	ace_egg - pre_chc	-1.604	0.284	229.0	-5.637	0.000	0.000
X5.MeC25	ace_egg - pre_dg	7.624	0.287	229.0	26.556	0.000	0.000
X5.MeC25	ace_egg - pre_egg	-0.641	0.287	229.0	-2.233	0.027	1.000
X5.MeC25	ace_egg - queen_chc	-0.354	0.519	229.0	-0.682	0.496	1.000
X5.MeC25	ace_egg - queen_dg	7.624	0.397	229.0	19.220	0.000	0.000
X5.MeC25	ace_egg - queen_egg	-0.390	0.280	229.0	-1.393	0.165	1.000
X5.MeC25	met_chc - met_dg	9.020	0.321	229.0	28.140	0.000	0.000
X5.MeC25	met_chc - met_egg	0.681	0.286	229.0	2.378	0.018	1.000
X5.MeC25	met_chc - pre_chc	-0.207	0.281	229.0	-0.738	0.461	1.000
X5.MeC25	met_chc - pre_dg	9.020	0.283	229.0	31.837	0.000	0.000
X5.MeC25	met_chc - pre_egg	0.756	0.283	229.0	2.667	0.008	1.000
X5.MeC25	met_chc - queen_chc	1.042	0.517	229.0	2.015	0.045	1.000
X5.MeC25	met_chc - queen_dg	9.020	0.394	229.0	22.896	0.000	0.000
X5.MeC25	met_chc - queen_egg	1.007	0.276	229.0	3.649	0.000	0.947
X5.MeC25	met_dg - met_egg	-8.340	0.315	229.0	-26.501	0.000	0.000

X5.MeC25	met_dg - pre_chc	-9.227	0.310	229.0	-29.796	0.000	0.000
X5.MeC25	met_dg - pre_dg	0.000	0.312	229.0	0.001	1.000	1.000
X5.MeC25	met_dg - pre_egg	-8.265	0.312	229.0	-26.481	0.000	0.000
X5.MeC25	met_dg - queen_chc	-7.978	0.534	229.0	-14.952	0.000	0.000
X5.MeC25	met_dg - queen_dg	0.000	0.415	229.0	0.000	1.000	1.000
X5.MeC25	met_dg - queen_egg	-8.013	0.305	229.0	-26.244	0.000	0.000
X5.MeC25	met_egg - pre_chc	-0.888	0.274	229.0	-3.240	0.001	1.000
X5.MeC25	met_egg - pre_dg	8.340	0.277	229.0	30.142	0.000	0.000
X5.MeC25	met_egg - pre_egg	0.075	0.277	229.0	0.271	0.787	1.000
X5.MeC25	met_egg - queen_chc	0.362	0.514	229.0	0.704	0.482	1.000
X5.MeC25	met_egg - queen_dg	8.340	0.389	229.0	21.427	0.000	0.000
X5.MeC25	met_egg - queen_egg	0.326	0.269	229.0	1.212	0.227	1.000
X5.MeC25	pre_chc - pre_dg	9.227	0.271	229.0	34.053	0.000	0.000
X5.MeC25	pre_chc - pre_egg	0.963	0.271	229.0	3.553	0.000	1.000
X5.MeC25	pre_chc - queen_chc	1.249	0.511	229.0	2.447	0.015	1.000
X5.MeC25	pre_chc - queen_dg	9.227	0.385	229.0	23.957	0.000	0.000
X5.MeC25	pre_chc - queen_egg	1.214	0.263	229.0	4.612	0.000	0.019
X5.MeC25	pre_dg - pre_egg	-8.265	0.274	229.0	-30.194	0.000	0.000
X5.MeC25	pre_dg - queen_chc	-7.978	0.512	229.0	-15.580	0.000	0.000
X5.MeC25	pre_dg - queen_dg	0.000	0.387	229.0	0.000	1.000	1.000
X5.MeC25	pre_dg - queen_egg	-8.014	0.266	229.0	-30.125	0.000	0.000
X5.MeC25	pre_egg - queen_chc	0.287	0.512	229.0	0.560	0.576	1.000
X5.MeC25	pre_egg - queen_dg	8.265	0.387	229.0	21.350	0.000	0.000
X5.MeC25	pre_egg - queen_egg	0.251	0.266	229.0	0.944	0.346	1.000
X5.MeC25	queen_chc - queen_dg	7.978	0.581	229.0	13.740	0.000	0.000
X5.MeC25	queen_chc - queen_egg	-0.036	0.508	229.0	-0.070	0.944	1.000
X5.MeC25	queen_dg - queen_egg	-8.013	0.382	229.0	-20.995	0.000	0.000
X7..5.MeC27	ace_chc - ace_dg	-11.892	0.132	229.0	-90.027	0.000	0.000
X7..5.MeC27	ace_chc - ace_egg	0.001	0.140	229.0	0.004	0.997	1.000
X7..5.MeC27	ace_chc - met_chc	0.000	0.138	229.0	0.000	1.000	1.000
X7..5.MeC27	ace_chc - met_dg	-12.557	0.153	229.0	-82.324	0.000	0.000
X7..5.MeC27	ace_chc - met_egg	0.000	0.135	229.0	0.003	0.997	1.000
X7..5.MeC27	ace_chc - pre_chc	0.000	0.132	229.0	0.000	1.000	1.000
X7..5.MeC27	ace_chc - pre_dg	-11.559	0.133	229.0	-86.607	0.000	0.000
X7..5.MeC27	ace_chc - pre_egg	0.000	0.133	229.0	0.003	0.997	1.000
X7..5.MeC27	ace_chc - queen_chc	0.000	0.251	229.0	0.000	1.000	1.000
X7..5.MeC27	ace_chc - queen_dg	-12.375	0.190	229.0	-65.233	0.000	0.000
X7..5.MeC27	ace_chc - queen_egg	0.001	0.130	229.0	0.004	0.997	1.000
X7..5.MeC27	ace_dg - ace_egg	11.892	0.140	229.0	84.882	0.000	0.000
X7..5.MeC27	ace_dg - met_chc	11.892	0.138	229.0	86.024	0.000	0.000
X7..5.MeC27	ace_dg - met_dg	-0.665	0.153	229.0	-4.359	0.000	0.057
X7..5.MeC27	ace_dg - met_egg	11.892	0.135	229.0	88.135	0.000	0.000
X7..5.MeC27	ace_dg - pre_chc	11.892	0.132	229.0	90.027	0.000	0.000
X7..5.MeC27	ace_dg - pre_dg	0.333	0.133	229.0	2.497	0.013	1.000
X7..5.MeC27	ace_dg - pre_egg	11.892	0.133	229.0	89.107	0.000	0.000
X7..5.MeC27	ace_dg - queen_chc	11.892	0.251	229.0	47.284	0.000	0.000
X7..5.MeC27	ace_dg - queen_dg	-0.483	0.190	229.0	-2.546	0.012	1.000
X7..5.MeC27	ace_dg - queen_egg	11.892	0.130	229.0	91.746	0.000	0.000
X7..5.MeC27	ace_egg - met_chc	-0.001	0.146	229.0	-0.004	0.997	1.000
X7..5.MeC27	ace_egg - met_dg	-12.557	0.160	229.0	-78.721	0.000	0.000
X7..5.MeC27	ace_egg - met_egg	0.000	0.143	229.0	0.000	1.000	1.000
X7..5.MeC27	ace_egg - pre_chc	-0.001	0.140	229.0	-0.004	0.997	1.000
X7..5.MeC27	ace_egg - pre_dg	-11.559	0.141	229.0	-81.751	0.000	0.000
X7..5.MeC27	ace_egg - pre_egg	0.000	0.141	229.0	-0.001	0.999	1.000
X7..5.MeC27	ace_egg - queen_chc	-0.001	0.256	229.0	-0.003	0.998	1.000
X7..5.MeC27	ace_egg - queen_dg	-12.375	0.195	229.0	-63.344	0.000	0.000
X7..5.MeC27	ace_egg - queen_egg	0.000	0.138	229.0	0.000	1.000	1.000
X7..5.MeC27	met_chc - met_dg	-12.557	0.158	229.0	-79.533	0.000	0.000
X7..5.MeC27	met_chc - met_egg	0.000	0.141	229.0	0.003	0.997	1.000
X7..5.MeC27	met_chc - pre_chc	0.000	0.138	229.0	0.000	1.000	1.000
X7..5.MeC27	met_chc - pre_dg	-11.559	0.140	229.0	-82.830	0.000	0.000
X7..5.MeC27	met_chc - pre_egg	0.000	0.140	229.0	0.003	0.998	1.000
X7..5.MeC27	met_chc - queen_chc	0.000	0.255	229.0	-0.001	1.000	1.000
X7..5.MeC27	met_chc - queen_dg	-12.375	0.194	229.0	-63.777	0.000	0.000

X7..5.MeC27	met_chc - queen_egg	0.001	0.136	229.0	0.004	0.997	1.000
X7..5.MeC27	met_dg - met_egg	12.557	0.155	229.0	81.017	0.000	0.000
X7..5.MeC27	met_dg - pre_chc	12.557	0.153	229.0	82.324	0.000	0.000
X7..5.MeC27	met_dg - pre_dg	0.998	0.154	229.0	6.493	0.000	0.000
X7..5.MeC27	met_dg - pre_egg	12.557	0.154	229.0	81.692	0.000	0.000
X7..5.MeC27	met_dg - queen_chc	12.557	0.263	229.0	47.779	0.000	0.000
X7..5.MeC27	met_dg - queen_dg	0.182	0.204	229.0	0.890	0.375	1.000
X7..5.MeC27	met_dg - queen_egg	12.557	0.150	229.0	83.496	0.000	0.000
X7..5.MeC27	met_egg - pre_chc	-0.001	0.135	229.0	-0.004	0.997	1.000
X7..5.MeC27	met_egg - pre_dg	-11.559	0.136	229.0	-84.823	0.000	0.000
X7..5.MeC27	met_egg - pre_egg	0.000	0.136	229.0	0.000	1.000	1.000
X7..5.MeC27	met_egg - queen_chc	-0.001	0.253	229.0	-0.002	0.998	1.000
X7..5.MeC27	met_egg - queen_dg	-12.375	0.192	229.0	-64.558	0.000	0.000
X7..5.MeC27	met_egg - queen_egg	0.000	0.133	229.0	0.000	1.000	1.000
X7..5.MeC27	pre_chc - pre_dg	-11.559	0.133	229.0	-86.607	0.000	0.000
X7..5.MeC27	pre_chc - pre_egg	0.000	0.133	229.0	0.003	0.997	1.000
X7..5.MeC27	pre_chc - queen_chc	0.000	0.251	229.0	0.000	1.000	1.000
X7..5.MeC27	pre_chc - queen_dg	-12.375	0.190	229.0	-65.232	0.000	0.000
X7..5.MeC27	pre_chc - queen_egg	0.001	0.130	229.0	0.004	0.997	1.000
X7..5.MeC27	pre_dg - pre_egg	11.559	0.135	229.0	85.740	0.000	0.000
X7..5.MeC27	pre_dg - queen_chc	11.559	0.252	229.0	45.828	0.000	0.000
X7..5.MeC27	pre_dg - queen_dg	-0.816	0.191	229.0	-4.281	0.000	0.080
X7..5.MeC27	pre_dg - queen_egg	11.559	0.131	229.0	88.226	0.000	0.000
X7..5.MeC27	pre_egg - queen_chc	-0.001	0.252	229.0	-0.002	0.998	1.000
X7..5.MeC27	pre_egg - queen_dg	-12.375	0.191	229.0	-64.908	0.000	0.000
X7..5.MeC27	pre_egg - queen_egg	0.000	0.131	229.0	0.001	0.999	1.000
X7..5.MeC27	queen_chc - queen_dg	-12.375	0.286	229.0	-43.270	0.000	0.000
X7..5.MeC27	queen_chc - queen_egg	0.001	0.250	229.0	0.003	0.998	1.000
X7..5.MeC27	queen_dg - queen_egg	12.375	0.188	229.0	65.829	0.000	0.000
X7.MeC29	ace_chc - ace_dg	-5.925	0.709	229.0	-8.360	0.000	0.000
X7.MeC29	ace_chc - ace_egg	0.001	0.752	229.0	0.001	0.999	1.000
X7.MeC29	ace_chc - met_chc	0.000	0.742	229.0	0.000	1.000	1.000
X7.MeC29	ace_chc - met_dg	-5.791	0.818	229.0	-7.076	0.000	0.000
X7.MeC29	ace_chc - met_egg	0.000	0.724	229.0	0.001	0.999	1.000
X7.MeC29	ace_chc - pre_chc	0.000	0.709	229.0	0.000	1.000	1.000
X7.MeC29	ace_chc - pre_dg	-5.245	0.716	229.0	-7.325	0.000	0.000
X7.MeC29	ace_chc - pre_egg	0.000	0.716	229.0	0.001	1.000	1.000
X7.MeC29	ace_chc - queen_chc	0.000	1.349	229.0	0.000	1.000	1.000
X7.MeC29	ace_chc - queen_dg	-9.055	1.018	229.0	-8.896	0.000	0.000
X7.MeC29	ace_chc - queen_egg	0.001	0.695	229.0	0.001	0.999	1.000
X7.MeC29	ace_dg - ace_egg	5.926	0.752	229.0	7.883	0.000	0.000
X7.MeC29	ace_dg - met_chc	5.925	0.742	229.0	7.989	0.000	0.000
X7.MeC29	ace_dg - met_dg	0.135	0.818	229.0	0.164	0.869	1.000
X7.MeC29	ace_dg - met_egg	5.926	0.724	229.0	8.185	0.000	0.000
X7.MeC29	ace_dg - pre_chc	5.925	0.709	229.0	8.360	0.000	0.000
X7.MeC29	ace_dg - pre_dg	0.680	0.716	229.0	0.950	0.343	1.000
X7.MeC29	ace_dg - pre_egg	5.926	0.716	229.0	8.275	0.000	0.000
X7.MeC29	ace_dg - queen_chc	5.925	1.349	229.0	4.391	0.000	0.050
X7.MeC29	ace_dg - queen_dg	-3.129	1.018	229.0	-3.075	0.002	1.000
X7.MeC29	ace_dg - queen_egg	5.926	0.695	229.0	8.520	0.000	0.000
X7.MeC29	ace_egg - met_chc	-0.001	0.783	229.0	-0.001	0.999	1.000
X7.MeC29	ace_egg - met_dg	-5.791	0.856	229.0	-6.766	0.000	0.000
X7.MeC29	ace_egg - met_egg	0.000	0.766	229.0	0.000	1.000	1.000
X7.MeC29	ace_egg - pre_chc	-0.001	0.752	229.0	-0.001	0.999	1.000
X7.MeC29	ace_egg - pre_dg	-5.245	0.759	229.0	-6.914	0.000	0.000
X7.MeC29	ace_egg - pre_egg	0.000	0.759	229.0	0.000	1.000	1.000
X7.MeC29	ace_egg - queen_chc	-0.001	1.372	229.0	0.000	1.000	1.000
X7.MeC29	ace_egg - queen_dg	-9.055	1.048	229.0	-8.639	0.000	0.000
X7.MeC29	ace_egg - queen_egg	0.000	0.739	229.0	0.000	1.000	1.000
X7.MeC29	met_chc - met_dg	-5.791	0.847	229.0	-6.836	0.000	0.000
X7.MeC29	met_chc - met_egg	0.000	0.756	229.0	0.001	1.000	1.000
X7.MeC29	met_chc - pre_chc	0.000	0.742	229.0	0.000	1.000	1.000
X7.MeC29	met_chc - pre_dg	-5.245	0.749	229.0	-7.005	0.000	0.000
X7.MeC29	met_chc - pre_egg	0.000	0.749	229.0	0.001	1.000	1.000

X7.MeC29	met_chc - queen_chc	0.000	1.367	229.0	0.000	1.000	1.000
X7.MeC29	met_chc - queen_dg	-9.055	1.041	229.0	-8.698	0.000	0.000
X7.MeC29	met_chc - queen_egg	0.001	0.729	229.0	0.001	0.999	1.000
X7.MeC29	met_dg - met_egg	5.791	0.832	229.0	6.964	0.000	0.000
X7.MeC29	met_dg - pre_chc	5.791	0.818	229.0	7.076	0.000	0.000
X7.MeC29	met_dg - pre_dg	0.546	0.825	229.0	0.662	0.509	1.000
X7.MeC29	met_dg - pre_egg	5.791	0.825	229.0	7.022	0.000	0.000
X7.MeC29	met_dg - queen_chc	5.791	1.410	229.0	4.107	0.000	0.162
X7.MeC29	met_dg - queen_dg	-3.264	1.097	229.0	-2.975	0.003	1.000
X7.MeC29	met_dg - queen_egg	5.791	0.807	229.0	7.177	0.000	0.000
X7.MeC29	met_egg - pre_chc	-0.001	0.724	229.0	-0.001	0.999	1.000
X7.MeC29	met_egg - pre_dg	-5.245	0.731	229.0	-7.174	0.000	0.000
X7.MeC29	met_egg - pre_egg	0.000	0.731	229.0	0.000	1.000	1.000
X7.MeC29	met_egg - queen_chc	-0.001	1.357	229.0	0.000	1.000	1.000
X7.MeC29	met_egg - queen_dg	-9.055	1.029	229.0	-8.804	0.000	0.000
X7.MeC29	met_egg - queen_egg	0.000	0.711	229.0	0.000	1.000	1.000
X7.MeC29	pre_chc - pre_dg	-5.245	0.716	229.0	-7.325	0.000	0.000
X7.MeC29	pre_chc - pre_egg	0.000	0.716	229.0	0.001	0.999	1.000
X7.MeC29	pre_chc - queen_chc	0.000	1.349	229.0	0.000	1.000	1.000
X7.MeC29	pre_chc - queen_dg	-9.055	1.018	229.0	-8.896	0.000	0.000
X7.MeC29	pre_chc - queen_egg	0.001	0.695	229.0	0.001	0.999	1.000
X7.MeC29	pre_dg - pre_egg	5.245	0.723	229.0	7.252	0.000	0.000
X7.MeC29	pre_dg - queen_chc	5.245	1.353	229.0	3.876	0.000	0.403
X7.MeC29	pre_dg - queen_dg	-3.810	1.023	229.0	-3.724	0.000	0.716
X7.MeC29	pre_dg - queen_egg	5.245	0.703	229.0	7.462	0.000	0.000
X7.MeC29	pre_egg - queen_chc	-0.001	1.353	229.0	0.000	1.000	1.000
X7.MeC29	pre_egg - queen_dg	-9.055	1.023	229.0	-8.852	0.000	0.000
X7.MeC29	pre_egg - queen_egg	0.000	0.703	229.0	0.000	1.000	1.000
X7.MeC29	queen_chc - queen_dg	-9.055	1.534	229.0	-5.901	0.000	0.000
X7.MeC29	queen_chc - queen_egg	0.001	1.342	229.0	0.000	1.000	1.000
X7.MeC29	queen_dg - queen_egg	9.055	1.009	229.0	8.978	0.000	0.000
X7.MeC31	ace_chc - ace_dg	8.527	0.059	229.0	144.383	0.000	0.000
X7.MeC31	ace_chc - ace_egg	8.527	0.063	229.0	136.127	0.000	0.000
X7.MeC31	ace_chc - met_chc	-0.334	0.062	229.0	-5.396	0.000	0.000
X7.MeC31	ace_chc - met_dg	8.527	0.068	229.0	125.036	0.000	0.000
X7.MeC31	ace_chc - met_egg	8.527	0.060	229.0	141.343	0.000	0.000
X7.MeC31	ace_chc - pre_chc	0.117	0.059	229.0	1.975	0.050	1.000
X7.MeC31	ace_chc - pre_dg	8.527	0.060	229.0	142.901	0.000	0.000
X7.MeC31	ace_chc - pre_egg	8.527	0.060	229.0	142.902	0.000	0.000
X7.MeC31	ace_chc - queen_chc	-0.061	0.112	229.0	-0.540	0.590	1.000
X7.MeC31	ace_chc - queen_dg	8.527	0.085	229.0	100.533	0.000	0.000
X7.MeC31	ace_chc - queen_egg	8.527	0.058	229.0	147.135	0.000	0.000
X7.MeC31	ace_dg - ace_egg	0.000	0.063	229.0	0.002	0.999	1.000
X7.MeC31	ace_dg - met_chc	-8.861	0.062	229.0	-143.359	0.000	0.000
X7.MeC31	ace_dg - met_dg	0.000	0.068	229.0	-0.003	0.997	1.000
X7.MeC31	ace_dg - met_egg	0.000	0.060	229.0	0.001	0.999	1.000
X7.MeC31	ace_dg - pre_chc	-8.411	0.059	229.0	-142.408	0.000	0.000
X7.MeC31	ace_dg - pre_dg	0.000	0.060	229.0	-0.001	0.999	1.000
X7.MeC31	ace_dg - pre_egg	0.000	0.060	229.0	0.000	1.000	1.000
X7.MeC31	ace_dg - queen_chc	-8.588	0.112	229.0	-76.373	0.000	0.000
X7.MeC31	ace_dg - queen_dg	0.000	0.085	229.0	-0.003	0.998	1.000
X7.MeC31	ace_dg - queen_egg	0.000	0.058	229.0	0.002	0.999	1.000
X7.MeC31	ace_egg - met_chc	-8.861	0.065	229.0	-135.819	0.000	0.000
X7.MeC31	ace_egg - met_dg	0.000	0.071	229.0	-0.005	0.996	1.000
X7.MeC31	ace_egg - met_egg	0.000	0.064	229.0	-0.001	0.999	1.000
X7.MeC31	ace_egg - pre_chc	-8.411	0.063	229.0	-134.265	0.000	0.000
X7.MeC31	ace_egg - pre_dg	0.000	0.063	229.0	-0.003	0.998	1.000
X7.MeC31	ace_egg - pre_egg	0.000	0.063	229.0	-0.002	0.999	1.000
X7.MeC31	ace_egg - queen_chc	-8.588	0.114	229.0	-75.090	0.000	0.000
X7.MeC31	ace_egg - queen_dg	0.000	0.087	229.0	-0.004	0.997	1.000
X7.MeC31	ace_egg - queen_egg	0.000	0.062	229.0	0.000	1.000	1.000

X7.MeC31	met_chc - met_dg	8.860	0.071	229.0	125.521	0.000	0.000
X7.MeC31	met_chc - met_egg	8.861	0.063	229.0	140.596	0.000	0.000
X7.MeC31	met_chc - pre_chc	0.450	0.062	229.0	7.283	0.000	0.000
X7.MeC31	met_chc - pre_dg	8.861	0.062	229.0	142.013	0.000	0.000
X7.MeC31	met_chc - pre_egg	8.861	0.062	229.0	142.014	0.000	0.000
X7.MeC31	met_chc - queen_chc	0.273	0.114	229.0	2.395	0.017	1.000
X7.MeC31	met_chc - queen_dg	8.860	0.087	229.0	102.133	0.000	0.000
X7.MeC31	met_chc - queen_egg	8.861	0.061	229.0	145.847	0.000	0.000
X7.MeC31	met_dg - met_egg	0.000	0.069	229.0	0.004	0.997	1.000
X7.MeC31	met_dg - pre_chc	-8.410	0.068	229.0	-123.326	0.000	0.000
X7.MeC31	met_dg - pre_dg	0.000	0.069	229.0	0.002	0.998	1.000
X7.MeC31	met_dg - pre_egg	0.000	0.069	229.0	0.003	0.997	1.000
X7.MeC31	met_dg - queen_chc	-8.588	0.118	229.0	-73.085	0.000	0.000
X7.MeC31	met_dg - queen_dg	0.000	0.091	229.0	0.000	1.000	1.000
X7.MeC31	met_dg - queen_egg	0.000	0.067	229.0	0.005	0.996	1.000
X7.MeC31	met_egg - pre_chc	-8.411	0.060	229.0	-139.410	0.000	0.000
X7.MeC31	met_egg - pre_dg	0.000	0.061	229.0	-0.002	0.999	1.000
X7.MeC31	met_egg - pre_egg	0.000	0.061	229.0	-0.001	0.999	1.000
X7.MeC31	met_egg - queen_chc	-8.588	0.113	229.0	-75.920	0.000	0.000
X7.MeC31	met_egg - queen_dg	0.000	0.086	229.0	-0.003	0.997	1.000
X7.MeC31	met_egg - queen_egg	0.000	0.059	229.0	0.001	0.999	1.000
X7.MeC31	pre_chc - pre_dg	8.411	0.060	229.0	140.946	0.000	0.000
X7.MeC31	pre_chc - pre_egg	8.411	0.060	229.0	140.947	0.000	0.000
X7.MeC31	pre_chc - queen_chc	-0.177	0.112	229.0	-1.577	0.116	1.000
X7.MeC31	pre_chc - queen_dg	8.410	0.085	229.0	99.158	0.000	0.000
X7.MeC31	pre_chc - queen_egg	8.411	0.058	229.0	145.123	0.000	0.000
X7.MeC31	pre_dg - pre_egg	0.000	0.060	229.0	0.001	0.999	1.000
X7.MeC31	pre_dg - queen_chc	-8.588	0.113	229.0	-76.154	0.000	0.000
X7.MeC31	pre_dg - queen_dg	0.000	0.085	229.0	-0.002	0.999	1.000
X7.MeC31	pre_dg - queen_egg	0.000	0.059	229.0	0.003	0.998	1.000
X7.MeC31	pre_egg - queen_chc	-8.588	0.113	229.0	-76.155	0.000	0.000
X7.MeC31	pre_egg - queen_dg	0.000	0.085	229.0	-0.003	0.998	1.000
X7.MeC31	pre_egg - queen_egg	0.000	0.059	229.0	0.002	0.999	1.000
X7.MeC31	queen_chc - queen_dg	8.588	0.128	229.0	67.160	0.000	0.000
X7.MeC31	queen_chc - queen_egg	8.588	0.112	229.0	76.767	0.000	0.000
X7.MeC31	queen_dg - queen_egg	0.000	0.084	229.0	0.004	0.997	1.000
X7.x.diMeC33	ace_chc - ace_dg	6.690	0.225	229.0	29.728	0.000	0.000
X7.x.diMeC33	ace_chc - ace_egg	6.690	0.239	229.0	28.028	0.000	0.000
X7.x.diMeC33	ace_chc - met_chc	-0.258	0.236	229.0	-1.096	0.274	1.000
X7.x.diMeC33	ace_chc - met_dg	6.690	0.260	229.0	25.744	0.000	0.000
X7.x.diMeC33	ace_chc - met_egg	6.690	0.230	229.0	29.102	0.000	0.000
X7.x.diMeC33	ace_chc - pre_chc	0.531	0.225	229.0	2.362	0.019	1.000
X7.x.diMeC33	ace_chc - pre_dg	6.690	0.227	229.0	29.423	0.000	0.000
X7.x.diMeC33	ace_chc - pre_egg	6.690	0.227	229.0	29.423	0.000	0.000
X7.x.diMeC33	ace_chc - queen_chc	0.045	0.428	229.0	0.106	0.916	1.000
X7.x.diMeC33	ace_chc - queen_dg	6.690	0.323	229.0	20.699	0.000	0.000
X7.x.diMeC33	ace_chc - queen_egg	6.690	0.221	229.0	30.294	0.000	0.000
X7.x.diMeC33	ace_dg - ace_egg	0.000	0.239	229.0	0.000	1.000	1.000
X7.x.diMeC33	ace_dg - met_chc	-6.948	0.236	229.0	-29.502	0.000	0.000
X7.x.diMeC33	ace_dg - met_dg	0.000	0.260	229.0	-0.001	0.999	1.000
X7.x.diMeC33	ace_dg - met_egg	0.000	0.230	229.0	0.000	1.000	1.000
X7.x.diMeC33	ace_dg - pre_chc	-6.158	0.225	229.0	-27.366	0.000	0.000
X7.x.diMeC33	ace_dg - pre_dg	0.000	0.227	229.0	0.000	1.000	1.000
X7.x.diMeC33	ace_dg - pre_egg	0.000	0.227	229.0	0.000	1.000	1.000
X7.x.diMeC33	ace_dg - queen_chc	-6.644	0.428	229.0	-15.508	0.000	0.000
X7.x.diMeC33	ace_dg - queen_dg	0.000	0.323	229.0	-0.001	0.999	1.000
X7.x.diMeC33	ace_dg - queen_egg	0.000	0.221	229.0	0.000	1.000	1.000
X7.x.diMeC33	ace_egg - met_chc	-6.948	0.249	229.0	-27.950	0.000	0.000
X7.x.diMeC33	ace_egg - met_dg	0.000	0.272	229.0	-0.001	0.999	1.000
X7.x.diMeC33	ace_egg - met_egg	0.000	0.243	229.0	0.000	1.000	1.000
X7.x.diMeC33	ace_egg - pre_chc	-6.158	0.239	229.0	-25.801	0.000	0.000
X7.x.diMeC33	ace_egg - pre_dg	0.000	0.241	229.0	-0.001	0.999	1.000
X7.x.diMeC33	ace_egg - pre_egg	0.000	0.241	229.0	0.000	1.000	1.000

X7.x.diMeC33	ace_egg - queen_chc	-6.645	0.436	229.0	-15.247	0.000	0.000
X7.x.diMeC33	ace_egg - queen_dg	0.000	0.333	229.0	-0.001	0.999	1.000
X7.x.diMeC33	ace_egg - queen_egg	0.000	0.235	229.0	0.000	1.000	1.000
X7.x.diMeC33	met_chc - met_dg	6.948	0.269	229.0	25.830	0.000	0.000
X7.x.diMeC33	met_chc - met_egg	6.948	0.240	229.0	28.933	0.000	0.000
X7.x.diMeC33	met_chc - pre_chc	0.789	0.236	229.0	3.352	0.001	1.000
X7.x.diMeC33	met_chc - pre_dg	6.948	0.238	229.0	29.225	0.000	0.000
X7.x.diMeC33	met_chc - pre_egg	6.948	0.238	229.0	29.225	0.000	0.000
X7.x.diMeC33	met_chc - queen_chc	0.303	0.434	229.0	0.699	0.485	1.000
X7.x.diMeC33	met_chc - queen_dg	6.948	0.331	229.0	21.018	0.000	0.000
X7.x.diMeC33	met_chc - queen_egg	6.948	0.231	229.0	30.014	0.000	0.000
X7.x.diMeC33	met_dg - met_egg	0.000	0.264	229.0	0.001	0.999	1.000
X7.x.diMeC33	met_dg - pre_chc	-6.158	0.260	229.0	-23.699	0.000	0.000
X7.x.diMeC33	met_dg - pre_dg	0.000	0.262	229.0	0.001	1.000	1.000
X7.x.diMeC33	met_dg - pre_egg	0.000	0.262	229.0	0.001	0.999	1.000
X7.x.diMeC33	met_dg - queen_chc	-6.644	0.448	229.0	-14.840	0.000	0.000
X7.x.diMeC33	met_dg - queen_dg	0.000	0.348	229.0	0.000	1.000	1.000
X7.x.diMeC33	met_dg - queen_egg	0.000	0.256	229.0	0.001	0.999	1.000
X7.x.diMeC33	met_egg - pre_chc	-6.158	0.230	229.0	-26.790	0.000	0.000
X7.x.diMeC33	met_egg - pre_dg	0.000	0.232	229.0	0.000	1.000	1.000
X7.x.diMeC33	met_egg - pre_egg	0.000	0.232	229.0	0.000	1.000	1.000
X7.x.diMeC33	met_egg - queen_chc	-6.644	0.431	229.0	-15.416	0.000	0.000
X7.x.diMeC33	met_egg - queen_dg	0.000	0.327	229.0	-0.001	0.999	1.000
X7.x.diMeC33	met_egg - queen_egg	0.000	0.226	229.0	0.000	1.000	1.000
X7.x.diMeC33	pre_chc - pre_dg	6.158	0.227	229.0	27.085	0.000	0.000
X7.x.diMeC33	pre_chc - pre_egg	6.158	0.227	229.0	27.085	0.000	0.000
X7.x.diMeC33	pre_chc - queen_chc	-0.486	0.428	229.0	-1.134	0.258	1.000
X7.x.diMeC33	pre_chc - queen_dg	6.158	0.323	229.0	19.055	0.000	0.000
X7.x.diMeC33	pre_chc - queen_egg	6.158	0.221	229.0	27.888	0.000	0.000
X7.x.diMeC33	pre_dg - pre_egg	0.000	0.230	229.0	0.000	1.000	1.000
X7.x.diMeC33	pre_dg - queen_chc	-6.644	0.430	229.0	-15.463	0.000	0.000
X7.x.diMeC33	pre_dg - queen_dg	0.000	0.325	229.0	0.000	1.000	1.000
X7.x.diMeC33	pre_dg - queen_egg	0.000	0.223	229.0	0.001	0.999	1.000
X7.x.diMeC33	pre_egg - queen_chc	-6.644	0.430	229.0	-15.463	0.000	0.000
X7.x.diMeC33	pre_egg - queen_dg	0.000	0.325	229.0	-0.001	0.999	1.000
X7.x.diMeC33	pre_egg - queen_egg	0.000	0.223	229.0	0.000	1.000	1.000
X7.x.diMeC33	queen_chc - queen_dg	6.644	0.487	229.0	13.637	0.000	0.000
X7.x.diMeC33	queen_chc - queen_egg	6.644	0.426	229.0	15.588	0.000	0.000
X7.x.diMeC33	queen_dg - queen_egg	0.000	0.320	229.0	0.001	0.999	1.000
X9.13...11.15.diMeC27	ace_chc - ace_dg	14.032	0.112	229.0	125.732	0.000	0.000
X9.13...11.15.diMeC27	ace_chc - ace_egg	2.271	0.118	229.0	19.185	0.000	0.000
X9.13...11.15.diMeC27	ace_chc - met_chc	0.088	0.117	229.0	0.754	0.452	1.000
X9.13...11.15.diMeC27	ace_chc - met_dg	14.031	0.129	229.0	108.886	0.000	0.000
X9.13...11.15.diMeC27	ace_chc - met_egg	1.938	0.114	229.0	17.001	0.000	0.000
X9.13...11.15.diMeC27	ace_chc - pre_chc	0.049	0.112	229.0	0.442	0.659	1.000
X9.13...11.15.diMeC27	ace_chc - pre_dg	14.032	0.113	229.0	124.442	0.000	0.000
X9.13...11.15.diMeC27	ace_chc - pre_egg	2.115	0.113	229.0	18.753	0.000	0.000
X9.13...11.15.diMeC27	ace_chc - queen_chc	-0.027	0.212	229.0	-0.125	0.901	1.000
X9.13...11.15.diMeC27	ace_chc - queen_dg	14.031	0.160	229.0	87.547	0.000	0.000
X9.13...11.15.diMeC27	ace_chc - queen_egg	2.340	0.110	229.0	21.370	0.000	0.000
X9.13...11.15.diMeC27	ace_dg - ace_egg	-11.761	0.118	229.0	-99.357	0.000	0.000
X9.13...11.15.diMeC27	ace_dg - met_chc	-13.944	0.117	229.0	-119.387	0.000	0.000
X9.13...11.15.diMeC27	ace_dg - met_dg	0.000	0.129	229.0	-0.002	0.999	1.000
X9.13...11.15.diMeC27	ace_dg - met_egg	-12.094	0.114	229.0	-106.085	0.000	0.000
X9.13...11.15.diMeC27	ace_dg - pre_chc	-13.982	0.112	229.0	-125.290	0.000	0.000
X9.13...11.15.diMeC27	ace_dg - pre_dg	0.000	0.113	229.0	-0.001	0.999	1.000
X9.13...11.15.diMeC27	ace_dg - pre_egg	-11.917	0.113	229.0	-105.690	0.000	0.000
X9.13...11.15.diMeC27	ace_dg - queen_chc	-14.058	0.212	229.0	-66.163	0.000	0.000
X9.13...11.15.diMeC27	ace_dg - queen_dg	0.000	0.160	229.0	-0.001	0.999	1.000
X9.13...11.15.diMeC27	ace_dg - queen_egg	-11.691	0.110	229.0	-106.757	0.000	0.000
X9.13...11.15.diMeC27	ace_egg - met_chc	-2.183	0.123	229.0	-17.707	0.000	0.000

X9.13...11.15.diMeC27	ace_egg - met_dg	11.761	0.135	229.0	87.264	0.000	0.000
X9.13...11.15.diMeC27	ace_egg - met_egg	-0.333	0.121	229.0	-2.759	0.006	1.000
X9.13...11.15.diMeC27	ace_egg - pre_chc	-2.222	0.118	229.0	-18.768	0.000	0.000
X9.13...11.15.diMeC27	ace_egg - pre_dg	11.761	0.119	229.0	98.449	0.000	0.000
X9.13...11.15.diMeC27	ace_egg - pre_egg	-0.156	0.119	229.0	-1.309	0.192	1.000
X9.13...11.15.diMeC27	ace_egg - queen_chc	-2.297	0.216	229.0	-10.631	0.000	0.000
X9.13...11.15.diMeC27	ace_egg - queen_dg	11.761	0.165	229.0	71.251	0.000	0.000
X9.13...11.15.diMeC27	ace_egg - queen_egg	0.069	0.116	229.0	0.596	0.551	1.000
X9.13...11.15.diMeC27	met_chc - met_dg	13.943	0.133	229.0	104.533	0.000	0.000
X9.13...11.15.diMeC27	met_chc - met_egg	1.850	0.119	229.0	15.535	0.000	0.000
X9.13...11.15.diMeC27	met_chc - pre_chc	-0.039	0.117	229.0	-0.331	0.741	1.000
X9.13...11.15.diMeC27	met_chc - pre_dg	13.944	0.118	229.0	118.267	0.000	0.000
X9.13...11.15.diMeC27	met_chc - pre_egg	2.026	0.118	229.0	17.188	0.000	0.000
X9.13...11.15.diMeC27	met_chc - queen_chc	-0.115	0.215	229.0	-0.532	0.595	1.000
X9.13...11.15.diMeC27	met_chc - queen_dg	13.943	0.164	229.0	85.056	0.000	0.000
X9.13...11.15.diMeC27	met_chc - queen_egg	2.252	0.115	229.0	19.619	0.000	0.000
X9.13...11.15.diMeC27	met_dg - met_egg	-12.093	0.131	229.0	-92.352	0.000	0.000
X9.13...11.15.diMeC27	met_dg - pre_chc	-13.982	0.129	229.0	-108.502	0.000	0.000
X9.13...11.15.diMeC27	met_dg - pre_dg	0.000	0.130	229.0	0.001	0.999	1.000
X9.13...11.15.diMeC27	met_dg - pre_egg	-11.917	0.130	229.0	-91.763	0.000	0.000
X9.13...11.15.diMeC27	met_dg - queen_chc	-14.058	0.222	229.0	-63.315	0.000	0.000
X9.13...11.15.diMeC27	met_dg - queen_dg	0.000	0.173	229.0	0.000	1.000	1.000
X9.13...11.15.diMeC27	met_dg - queen_egg	-11.691	0.127	229.0	-92.011	0.000	0.000
X9.13...11.15.diMeC27	met_egg - pre_chc	-1.889	0.114	229.0	-16.567	0.000	0.000
X9.13...11.15.diMeC27	met_egg - pre_dg	12.094	0.115	229.0	105.040	0.000	0.000
X9.13...11.15.diMeC27	met_egg - pre_egg	0.176	0.115	229.0	1.532	0.127	1.000
X9.13...11.15.diMeC27	met_egg - queen_chc	-1.965	0.214	229.0	-9.191	0.000	0.000
X9.13...11.15.diMeC27	met_egg - queen_dg	12.093	0.162	229.0	74.672	0.000	0.000
X9.13...11.15.diMeC27	met_egg - queen_egg	0.402	0.112	229.0	3.593	0.000	1.000
X9.13...11.15.diMeC27	pre_chc - pre_dg	13.982	0.113	229.0	124.004	0.000	0.000
X9.13...11.15.diMeC27	pre_chc - pre_egg	2.065	0.113	229.0	18.315	0.000	0.000
X9.13...11.15.diMeC27	pre_chc - queen_chc	-0.076	0.212	229.0	-0.357	0.721	1.000
X9.13...11.15.diMeC27	pre_chc - queen_dg	13.982	0.160	229.0	87.239	0.000	0.000
X9.13...11.15.diMeC27	pre_chc - queen_egg	2.291	0.110	229.0	20.920	0.000	0.000
X9.13...11.15.diMeC27	pre_dg - pre_egg	-11.917	0.114	229.0	-104.627	0.000	0.000
X9.13...11.15.diMeC27	pre_dg - queen_chc	-14.058	0.213	229.0	-65.973	0.000	0.000
X9.13...11.15.diMeC27	pre_dg - queen_dg	0.000	0.161	229.0	-0.001	0.999	1.000
X9.13...11.15.diMeC27	pre_dg - queen_egg	-11.691	0.111	229.0	-105.620	0.000	0.000
X9.13...11.15.diMeC27	pre_egg - queen_chc	-2.141	0.213	229.0	-10.048	0.000	0.000
X9.13...11.15.diMeC27	pre_egg - queen_dg	11.917	0.161	229.0	73.982	0.000	0.000
X9.13...11.15.diMeC27	pre_egg - queen_egg	0.226	0.111	229.0	2.040	0.042	1.000
X9.13...11.15.diMeC27	queen_chc - queen_dg	14.058	0.242	229.0	58.182	0.000	0.000
X9.13...11.15.diMeC27	queen_chc - queen_egg	2.367	0.211	229.0	11.197	0.000	0.000
X9.13...11.15.diMeC27	queen_dg - queen_egg	-11.691	0.159	229.0	-73.609	0.000	0.000
X9.13.diMeC29	ace_chc - ace_dg	11.508	0.037	229.0	313.576	0.000	0.000
X9.13.diMeC29	ace_chc - ace_egg	11.508	0.039	229.0	295.644	0.000	0.000
X9.13.diMeC29	ace_chc - met_chc	0.032	0.038	229.0	0.833	0.406	1.000
X9.13.diMeC29	ace_chc - met_dg	11.508	0.042	229.0	271.559	0.000	0.000
X9.13.diMeC29	ace_chc - met_egg	11.508	0.037	229.0	306.974	0.000	0.000
X9.13.diMeC29	ace_chc - pre_chc	0.102	0.037	229.0	2.770	0.006	1.000
X9.13.diMeC29	ace_chc - pre_dg	11.508	0.037	229.0	310.357	0.000	0.000
X9.13.diMeC29	ace_chc - pre_egg	11.508	0.037	229.0	310.359	0.000	0.000
X9.13.diMeC29	ace_chc - queen_chc	-0.076	0.070	229.0	-1.082	0.280	1.000
X9.13.diMeC29	ace_chc - queen_dg	11.508	0.053	229.0	218.342	0.000	0.000
X9.13.diMeC29	ace_chc - queen_egg	11.508	0.036	229.0	319.552	0.000	0.000
X9.13.diMeC29	ace_dg - ace_egg	0.000	0.039	229.0	0.003	0.998	1.000
X9.13.diMeC29	ace_dg - met_chc	-11.476	0.038	229.0	-298.799	0.000	0.000
X9.13.diMeC29	ace_dg - met_dg	0.000	0.042	229.0	-0.006	0.996	1.000
X9.13.diMeC29	ace_dg - met_egg	0.000	0.037	229.0	0.001	0.999	1.000
X9.13.diMeC29	ace_dg - pre_chc	-11.407	0.037	229.0	-310.805	0.000	0.000
X9.13.diMeC29	ace_dg - pre_dg	0.000	0.037	229.0	-0.002	0.998	1.000

X9.13.diMeC29	ace_dg - pre_egg	0.000	0.037	229.0	0.000	1.000	1.000
X9.13.diMeC29	ace_dg - queen_chc	-11.584	0.070	229.0	-165.780	0.000	0.000
X9.13.diMeC29	ace_dg - queen_dg	0.000	0.053	229.0	-0.004	0.997	1.000
X9.13.diMeC29	ace_dg - queen_egg	0.000	0.036	229.0	0.003	0.998	1.000
X9.13.diMeC29	ace_egg - met_chc	-11.476	0.041	229.0	-283.084	0.000	0.000
X9.13.diMeC29	ace_egg - met_dg	0.000	0.044	229.0	-0.008	0.994	1.000
X9.13.diMeC29	ace_egg - met_egg	0.000	0.040	229.0	-0.002	0.999	1.000
X9.13.diMeC29	ace_egg - pre_chc	-11.407	0.039	229.0	-293.033	0.000	0.000
X9.13.diMeC29	ace_egg - pre_dg	0.000	0.039	229.0	-0.004	0.996	1.000
X9.13.diMeC29	ace_egg - pre_egg	0.000	0.039	229.0	-0.003	0.998	1.000
X9.13.diMeC29	ace_egg - queen_chc	-11.584	0.071	229.0	-162.995	0.000	0.000
X9.13.diMeC29	ace_egg - queen_dg	0.000	0.054	229.0	-0.006	0.995	1.000
X9.13.diMeC29	ace_egg - queen_egg	0.000	0.038	229.0	0.000	1.000	1.000
X9.13.diMeC29	met_chc - met_dg	11.476	0.044	229.0	261.621	0.000	0.000
X9.13.diMeC29	met_chc - met_egg	11.476	0.039	229.0	293.040	0.000	0.000
X9.13.diMeC29	met_chc - pre_chc	0.070	0.038	229.0	1.814	0.071	1.000
X9.13.diMeC29	met_chc - pre_dg	11.476	0.039	229.0	295.995	0.000	0.000
X9.13.diMeC29	met_chc - pre_egg	11.476	0.039	229.0	295.997	0.000	0.000
X9.13.diMeC29	met_chc - queen_chc	-0.108	0.071	229.0	-1.520	0.130	1.000
X9.13.diMeC29	met_chc - queen_dg	11.476	0.054	229.0	212.875	0.000	0.000
X9.13.diMeC29	met_chc - queen_egg	11.476	0.038	229.0	303.985	0.000	0.000
X9.13.diMeC29	met_dg - met_egg	0.000	0.043	229.0	0.006	0.995	1.000
X9.13.diMeC29	met_dg - pre_chc	-11.406	0.042	229.0	-269.160	0.000	0.000
X9.13.diMeC29	met_dg - pre_dg	0.000	0.043	229.0	0.004	0.997	1.000
X9.13.diMeC29	met_dg - pre_egg	0.000	0.043	229.0	0.005	0.996	1.000
X9.13.diMeC29	met_dg - queen_chc	-11.584	0.073	229.0	-158.643	0.000	0.000
X9.13.diMeC29	met_dg - queen_dg	0.000	0.057	229.0	0.000	1.000	1.000
X9.13.diMeC29	met_dg - queen_egg	0.000	0.042	229.0	0.008	0.994	1.000
X9.13.diMeC29	met_egg - pre_chc	-11.407	0.037	229.0	-304.262	0.000	0.000
X9.13.diMeC29	met_egg - pre_dg	0.000	0.038	229.0	-0.003	0.998	1.000
X9.13.diMeC29	met_egg - pre_egg	0.000	0.038	229.0	-0.001	0.999	1.000
X9.13.diMeC29	met_egg - queen_chc	-11.584	0.070	229.0	-164.796	0.000	0.000
X9.13.diMeC29	met_egg - queen_dg	0.000	0.053	229.0	-0.005	0.996	1.000
X9.13.diMeC29	met_egg - queen_egg	0.000	0.037	229.0	0.001	0.999	1.000
X9.13.diMeC29	pre_chc - pre_dg	11.406	0.037	229.0	307.616	0.000	0.000
X9.13.diMeC29	pre_chc - pre_egg	11.407	0.037	229.0	307.617	0.000	0.000
X9.13.diMeC29	pre_chc - queen_chc	-0.177	0.070	229.0	-2.537	0.012	1.000
X9.13.diMeC29	pre_chc - queen_dg	11.406	0.053	229.0	216.413	0.000	0.000
X9.13.diMeC29	pre_chc - queen_egg	11.407	0.036	229.0	316.729	0.000	0.000
X9.13.diMeC29	pre_dg - pre_egg	0.000	0.037	229.0	0.002	0.999	1.000
X9.13.diMeC29	pre_dg - queen_chc	-11.584	0.070	229.0	-165.305	0.000	0.000
X9.13.diMeC29	pre_dg - queen_dg	0.000	0.053	229.0	-0.003	0.998	1.000
X9.13.diMeC29	pre_dg - queen_egg	0.000	0.036	229.0	0.005	0.996	1.000
X9.13.diMeC29	pre_egg - queen_chc	-11.584	0.070	229.0	-165.306	0.000	0.000
X9.13.diMeC29	pre_egg - queen_dg	0.000	0.053	229.0	-0.004	0.997	1.000
X9.13.diMeC29	pre_egg - queen_egg	0.000	0.036	229.0	0.003	0.998	1.000
X9.13.diMeC29	queen_chc - queen_dg	11.584	0.079	229.0	145.783	0.000	0.000
X9.13.diMeC29	queen_chc - queen_egg	11.584	0.070	229.0	166.635	0.000	0.000
X9.13.diMeC29	queen_dg - queen_egg	0.000	0.052	229.0	0.006	0.995	1.000

Table S6: Permutation analysis (PERMANOVA) representing the CHC samples (including non-treated workers).

	F value	R^2	*p* value	*Significance level*
All groups (CHC)	23.095	0.490	< 0.001	***

pairs	*F* value	R^2	*p* value	*Significance level*
queen vs workers no treatment	62.342	0.690	0.020	*
queen vs workers acetone	74.692	0.734	0.010	**
queen vs workers methoprene	33.897	0.596	0.010	**
queen vs workers precocene	111.027	0.804	0.020	*
workers no treatment vs workers acetone	5.864	0.107	0.040	*
workers no treatment vs workers methoprene	14.918	0.249	0.010	**
workers no treatment vs workers precocene	6.974	0.125	0.010	**
workers acetone vs workers methoprene	8.663	0.165	0.010	**
workers acetone vs workers precocene	0.921	0.019	1.000	n.s.
workers methoprene vs workers precocene	8.218	0.157	0.010	**

Table S7: Relative abundances for each chemical compound identified in samples of CHCs, eggs and *Dufour*'s gland of *Vespula germanica*. Mean and standard deviation (%).

Compounds	**CHCs**								**Eggs**								***Dufour*'s gland**							
	queen		methoprene		precocene		acetone		queen		methoprene		precocene		acetone		queen		methoprene		precocene		acetone	
	mean	sd	mean	sd	mean	sd	mean	sd	mean	sd	mean	sd	mean	sd	mean	sd	mean	sd	mean	sd	mean	sd	mean	sd
n-C21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.87	0.76	0.70	0.77	1.38	0.74	1.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-C22	0.10	0.00	0.24	0.32	0.05	0.11	0.05	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-C23	0.21	0.01	0.76	1.00	0.21	0.24	0.19	0.10	0.75	1.04	1.30	0.95	1.16	1.15	0.88	0.91	1.37	1.99	1.05	1.00	0.86	1.19	1.29	1.62
11-;9-MeC23	0.00	0.00	0.08	0.08	0.01	0.03	0.03	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5-MeC23	0.00	0.00	0.01	0.02	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC23	0.13	0.06	0.14	0.07	0.08	0.04	0.10	0.05	0.08	0.28	0.12	0.36	0.20	0.50	0.20	0.49	2.12	2.51	11.12	9.33	26.46	18.29	26.45	15.44
n-C24	0.36	0.06	0.26	0.14	0.20	0.14	0.18	0.08	0.42	0.64	0.40	0.71	0.60	1.07	0.78	1.51	0.24	0.30	0.12	0.20	0.24	0.37	0.37	0.41
12-;11-;10-MeC24	0.10	0.00	0.14	0.10	0.13	0.09	0.14	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12-;10-MeC24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.48	0.26	0.48	0.38	0.78	0.37	0.55	2.37	1.71	0.63	0.48	0.70	0.78	1.23	1.18
4-MeC24	0.10	0.00	0.15	0.07	0.11	0.03	0.11	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C25:1	0.10	0.00	0.21	0.16	0.09	0.05	0.08	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C25:1-2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.38	0.29	0.35	0.36	0.65	0.42	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-C25	13.57	2.26	8.16	1.38	7.72	1.23	7.04	1.76	8.48	2.49	6.13	1.93	5.68	1.89	6.64	3.51	2.28	2.15	1.44	0.90	1.96	2.05	2.57	1.71
13-;11-;9-;7-MeC25	1.63	0.09	7.05	2.11	7.51	1.36	7.38	1.94	5.44	2.20	4.51	1.62	4.49	1.30	4.38	1.27	8.25	2.80	9.33	5.02	6.37	5.37	6.44	2.51
5-MeC25	0.26	0.06	0.55	0.17	0.60	0.08	0.59	0.11	0.36	0.33	0.38	0.29	0.44	0.46	0.32	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC25	7.38	1.53	7.03	2.47	6.24	1.46	6.45	1.71	8.38	4.08	5.05	2.51	4.84	1.50	4.85	2.20	3.32	1.01	8.48	2.59	8.28	4.59	6.74	3.19
n-C26	5.03	0.45	2.36	0.32	2.31	0.32	2.24	0.38	2.49	0.50	2.20	0.73	2.69	1.53	2.63	1.43	11.01	4.96	9.93	2.81	7.37	4.47	6.53	3.07
12-;10-MeC26	0.78	0.10	2.78	0.54	3.26	0.23	3.23	0.24	2.13	0.70	1.86	0.63	2.19	1.23	2.01	0.97	4.90	2.69	3.55	0.94	2.31	1.13	2.80	1.31
4-MeC26	0.65	0.15	0.96	0.23	0.93	0.21	1.02	0.21	1.15	0.28	1.25	0.52	1.30	0.68	2.74	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C27:1and 3-MeC26	0.83	0.31	1.69	0.78	1.40	0.27	1.12	0.25	1.11	0.34	1.14	0.45	1.09	0.60	1.02	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C27:1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.69	1.07	0.14	0.36	0.17	0.38	0.41	0.63
n-C27	31.58	3.44	15.46	3.59	13.75	1.60	13.53	1.46	15.53	5.58	16.27	6.27	17.11	6.59	18.56	7.39	1.20	0.63	0.57	0.52	0.80	1.60	0.88	0.61
13-;11-;9-MeC27	9.45	1.05	22.85	1.86	26.91	2.23	27.03	3.17	18.99	6.29	16.23	3.61	15.99	5.53	15.49	5.01	2.66	1.16	1.35	0.48	1.89	2.62	1.48	0.98
7-;5-MeC27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.84	3.07	7.02	4.77	3.86	3.16	4.02	1.39

9,13-; 11,15-diMeC27	17.13	1.93	15.83	1.59	16.21	0.98	16.78	1.19	3.57	1.32	4.72	2.28	4.24	1.54	3.74	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.14	3.72	9.78	2.60	8.88	2.55	8.72	3.32	10.88	4.39	14.29	6.26	14.96	8.55	12.67	5.28
n-C28 + 3,9-; 3,11-diMeC27	2.40	0.26	1.80	0.32	1.72	0.20	1.78	0.30	2.10	0.72	2.72	1.13	3.33	2.17	3.22	2.08	21.65	6.52	16.23	3.22	13.67	5.83	13.11	3.43
12-;10-MeC28	0.39	0.05	1.25	0.32	1.44	0.25	1.45	0.33	1.45	0.98	1.57	0.77	1.63	1.24	1.38	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12,16-diMeC28	0.26	0.06	0.37	0.13	0.35	0.11	0.39	0.12	0.55	0.64	1.07	0.60	1.05	0.53	1.18	1.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C29:1	0.34	0.13	0.58	0.30	0.48	0.10	0.42	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C29:1-2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.42	0.95	0.70	0.92	0.87	1.25	1.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C29:1-3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.90	1.71	1.42	0.89	1.15	0.98	1.83	1.46
n-C29	2.32	0.20	1.61	0.71	1.04	0.24	1.14	0.33	3.63	3.86	10.50	5.39	10.25	5.32	8.54	5.99	0.30	0.43	0.32	0.38	0.20	0.26	0.37	0.44
13-;11-;9-MeC29	1.19	0.24	3.23	0.80	3.70	0.78	3.77	0.99	3.02	2.27	4.59	1.87	4.28	0.97	3.75	2.22	1.70	1.01	1.04	0.96	0.65	0.63	1.07	0.86
7-MeC29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.29	0.64	0.82	0.41	0.53	0.64	0.69
9,13-diMeC29	3.07	0.11	2.90	0.60	2.74	0.38	2.95	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC29	0.08	0.05	0.07	0.05	0.08	0.04	0.08	0.04	3.99	3.76	4.64	3.08	4.53	1.49	4.51	3.06	0.79	0.69	1.33	2.10	0.51	0.83	0.74	0.83
n-C30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.29	4.03	0.96	1.61	1.10	1.36	1.13	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-C31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	1.70	0.39	0.65	0.52	0.93	0.57	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15-;13-MeC31	0.10	0.00	0.80	0.92	0.26	0.20	0.25	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.84	0.07	0.27	0.12	0.33	0.42	0.63
7-MeC31	0.39	0.05	0.51	0.24	0.35	0.06	0.37	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-MeC31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.84	12.92	9.74	8.08	6.86	8.42	7.49	5.26
13,17-diMeC33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.75	0.20	0.42	0.21	0.36	0.46	0.62
7,x-diMeC33	0.10	0.00	0.17	0.09	0.10	0.04	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00