

Supplementary Material

1 SUPPLEMENTARY TABLES AND FIGURES

Table S1. PRV-3 artificial control

Sequence of PRV-3 gBlock
TACAGGTCGTGTTCCCGTTGTGGTGTGGGA
GGAACCGAGAGAAGAATACAGATTCAGGTT
GGATGGAGCGCGTGATCTACCTCGTGGCTG
GAAAAACGATCTTCAAGGGGACTGAAGAC
AACAGTCGTGGTTCCAATGACAGACCAGAC
CGACGGGGGATCGCTGAAGCTAAGCGACG
CCTTAGAGACAACATGCGAAGCATAATGAA
GAAAAAGACCACTGGTGATCTTGGTTTTA
GTGGTTGGATGGTCCTCGACCCGGA

Table S2. Standard deviation (SD) of immune gene expression log2 transformed RQ values for each experimental group. NA indicated that there was only one individual in the group, and therefore SD could not be calculated.

Temperature	Group	Treatment	WPC	mx	cd4	cd8	il6	il12	il17	il21	il22	il23	il24	il25	il26	il27	il28	il29	il30	il31	il32	il33	il34	il35	il36	il37	il38	il39	il40	il41	il42	il43	il44	il45	il46	il47	il48	il49	il50	il51	il52	il53	il54	il55	il56	il57	il58	il59	il60	il61	il62	il63	il64	il65	il66	il67	il68	il69	il70	il71	il72	il73	il74	il75	il76	il77	il78	il79	il80	il81	il82	il83	il84	il85	il86	il87	il88	il89	il90	il91	il92	il93	il94	il95	il96	il97	il98	il99	il100	il101	il102	il103	il104	il105	il106	il107	il108	il109	il110	il111	il112	il113	il114	il115	il116	il117	il118	il119	il120	il121	il122	il123	il124	il125	il126	il127	il128	il129	il130	il131	il132	il133	il134	il135	il136	il137	il138	il139	il140	il141	il142	il143	il144	il145	il146	il147	il148	il149	il150	il151	il152	il153	il154	il155	il156	il157	il158	il159	il160	il161	il162	il163	il164	il165	il166	il167	il168	il169	il170	il171	il172	il173	il174	il175	il176	il177	il178	il179	il180	il181	il182	il183	il184	il185	il186	il187	il188	il189	il190	il191	il192	il193	il194	il195	il196	il197	il198	il199	il200	il201	il202	il203	il204	il205	il206	il207	il208	il209	il210	il211	il212	il213	il214	il215	il216	il217	il218	il219	il220	il221	il222	il223	il224	il225	il226	il227	il228	il229	il230	il231	il232	il233	il234	il235	il236	il237	il238	il239	il240	il241	il242	il243	il244	il245	il246	il247	il248	il249	il250	il251	il252	il253	il254	il255	il256	il257	il258	il259	il260	il261	il262	il263	il264	il265	il266	il267	il268	il269	il270	il271	il272	il273	il274	il275	il276	il277	il278	il279	il280	il281	il282	il283	il284	il285	il286	il287	il288	il289	il290	il291	il292	il293	il294	il295	il296	il297	il298	il299	il300	il301	il302	il303	il304	il305	il306	il307	il308	il309	il310	il311	il312	il313	il314	il315	il316	il317	il318	il319	il320	il321	il322	il323	il324	il325	il326	il327	il328	il329	il330	il331	il332	il333	il334	il335	il336	il337	il338	il339	il340	il341	il342	il343	il344	il345	il346	il347	il348	il349	il350	il351	il352	il353	il354	il355	il356	il357	il358	il359	il360	il361	il362	il363	il364	il365	il366	il367	il368	il369	il370	il371	il372	il373	il374	il375	il376	il377	il378	il379	il380	il381	il382	il383	il384	il385	il386	il387	il388	il389	il390	il391	il392	il393	il394	il395	il396	il397	il398	il399	il400	il401	il402	il403	il404	il405	il406	il407	il408	il409	il410	il411	il412	il413	il414	il415	il416	il417	il418	il419	il420	il421	il422	il423	il424	il425	il426	il427	il428	il429	il430	il431	il432	il433	il434	il435	il436	il437	il438	il439	il440	il441	il442	il443	il444	il445	il446	il447	il448	il449	il450	il451	il452	il453	il454	il455	il456	il457	il458	il459	il460	il461	il462	il463	il464	il465	il466	il467	il468	il469	il470	il471	il472	il473	il474	il475	il476	il477	il478	il479	il480	il481	il482	il483	il484	il485	il486	il487	il488	il489	il490	il491	il492	il493	il494	il495	il496	il497	il498	il499	il500	il501	il502	il503	il504	il505	il506	il507	il508	il509	il510	il511	il512	il513	il514	il515	il516	il517	il518	il519	il520	il521	il522	il523	il524	il525	il526	il527	il528	il529	il530	il531	il532	il533	il534	il535	il536	il537	il538	il539	il540	il541	il542	il543	il544	il545	il546	il547	il548	il549	il550	il551	il552	il553	il554	il555	il556	il557	il558	il559	il560	il561	il562	il563	il564	il565	il566	il567	il568	il569	il570	il571	il572	il573	il574	il575	il576	il577	il578	il579	il580	il581	il582	il583	il584	il585	il586	il587	il588	il589	il590	il591	il592	il593	il594	il595	il596	il597	il598	il599	il600	il601	il602	il603	il604	il605	il606	il607	il608	il609	il610	il611	il612	il613	il614	il615	il616	il617	il618	il619	il620	il621	il622	il623	il624	il625	il626	il627	il628	il629	il630	il631	il632	il633	il634	il635	il636	il637	il638	il639	il640	il641	il642	il643	il644	il645	il646	il647	il648	il649	il650	il651	il652	il653	il654	il655	il656	il657	il658	il659	il660	il661	il662	il663	il664	il665	il666	il667	il668	il669	il670	il671	il672	il673	il674	il675	il676	il677	il678	il679	il680	il681	il682	il683	il684	il685	il686	il687	il688	il689	il690	il691	il692	il693	il694	il695	il696	il697	il698	il699	il700	il701	il702	il703	il704	il705	il706	il707	il708	il709	il710	il711	il712	il713	il714	il715	il716	il717	il718	il719	il720	il721	il722	il723	il724	il725	il726	il727	il728	il729	il730	il731	il732	il733	il734	il735	il736	il737	il738	il739	il740	il741	il742	il743	il744	il745	il746	il747	il748	il749	il750	il751	il752	il753	il754	il755	il756	il757	il758	il759	il760	il761	il762	il763	il764	il765	il766	il767	il768	il769	il770	il771	il772	il773	il774	il775	il776	il777	il778	il779	il780	il781	il782	il783	il784	il785	il786	il787	il788	il789	il790	il791	il792	il793	il794	il795	il796	il797	il798	il799	il800	il801	il802	il803	il804	il805	il806	il807	il808	il809	il810	il811	il812	il813	il814	il815	il816	il817	il818	il819	il820	il821	il822	il823	il824	il825	il826	il827	il828	il829	il830	il831	il832	il833	il834	il835	il836	il837	il838	il839	il840	il841	il842	il843	il844	il845	il846	il847	il848	il849	il850	il851	il852	il853	il854	il855	il856	il857	il858	il859	il860	il861	il862	il863	il864	il865	il866	il867	il868	il869	il870	il871	il872	il873	il874	il875	il876	il877	il878	il879	il880	il881	il882	il883	il884	il885	il886	il887	il888	il889	il890	il891	il892	il893	il894	il895	il896	il897	il898	il899	il900	il901	il902	il903	il904	il905	il906	il907	il908	il909	il910	il911	il912	il913	il914	il915	il916	il917	il918	il919	il920	il921	il922	il923	il924	il925	il926	il927	il928	il929	il930	il931	il932	il933	il934	il935	il936	il937	il938	il939	il940	il941	il942	il943	il944	il945	il946	il947	il948	il949	il950	il951	il952	il953	il954	il955	il956	il957	il958	il959	il960	il961	il962	il963	il964	il965	il966	il967	il968	il969	il970	il971	il972	il973	il974	il975	il976	il977	il978	il979	il980	il981	il982	il983	il984	il985	il986	il987	il988	il989	il990	il991	il992	il993	il994	il995	il996	il997	il998	il999	il1000	il1001	il1002	il1003	il1004	il1005	il1006	il1007	il1008	il1009	il1010	il1011	il1012	il1013	il1014	il1015	il1016	il1017	il1018	il1019	il1020	il1021	il1022	il1023	il1024	il1025	il1026	il1027	il1028	il1029	il1030	il1031	il1032	il1033	il1034	il1035	il1036	il1037	il1038	il1039	il1040	il1041	il1042	il1043	il1044	il1045	il1046	il1047	il1048	il1049	il1050	il1051	il1052	il1053	il1054	il1055	il1056	il1057	il1058	il1059	il1060	il1061	il1062	il1063	il1064	il1065	il1066	il1067	il1068	il1069	il1070	il1071	il1072	il1073	il1074	il1075	il1076	il1077	il1078	il1079	il1080	il1081	il1082	il1083	il1084	il1085	il1086	il1087	il1088	il1089	il1090	il1091	il1092	il1093	il1094	il1095	il1096	il1097	il1098	il1099	il1100	il1101	il1102	il1103	il1104	il1105	il1106	il1107	il1108	il1109	il1110	il1111	il1112	il1113	il1114	il1115	il1116	il1117	il1118	il1119	il1120	il1121	il1122	il1123	il1124	il1125	il1126	il1127	il1128	il1129	il1130	il1131	il1132	il1133	il1134	il1135	il1136	il1137	il1138	il1139	il1140	il1141	il1142	il1143	il1144	il1145	il1146	il1147	il1148	il1149	il1150	il1151	il1152	il1153	il1154	il1155	il1156	il1157	il1158	il1159	il1160	il1161	il1162	il1163	il1164	il1165	il1166	il1167	il1168	il1169	il1170	il1171	il1172	il1173	il1174	il1175	il1176	il1177	il1178	il1179	il1180	il1181	il1182	il1183	il1184	il1185	il1186	il1187	il1188	il1189	il1190	il1191	il1192	il1193	il1194	il1195	il1196	il1197	il1198	il1199	il1200	il1201	il1202	il1203	il1204	il1205	il1206	il1207	il1208	il1209	il1210	il1211	il1212	il1213	il1214	il1215	il1216	il1217	il1218	il1219	il1220	il1221	il1222	il1223	il1224	il1225	il1226	il1227	il1228	il1229	il1230	il1231	il1232	il1233	il1234	il1235	il1236	il1237	il1238	il1239	il1240	il1241	il1242	il1243	il1244	il1245	il1246	il1247	il1248	il1249	il1250	il1251	il1252	il1253	il1254	il1255	il1256	il1257	il1258	il1259	il1260	il1261	il1262	il1263	il1264	il1265	il1266	il1267	il1268	il1269	il1270	il1271	il1272	il1273	il1274	il1275	il1276	il1277	il1278	il1279	il1280	il1281	il1282	il1283	il1284	il1285	il1286	il1287	il1288	il1289	il1290	il1291	il1292	il1293	il1294	il1295	il1296	il1297	il1298	il1299	il1300	il1301	il1302	il1303	il1304	il1305	il1306	il1307	il1308	il1309	il1310	il1311	il1312	il1313	il1314	il1315	il1316	il1317	il1318	il1319	il1320	il1321	il1322	il1323	il1324	il1325	il1326	il1327	il1328	il1329	il1330	il1331	il1332	il1333	il1334	il1335	il1336	il1337	il1338	il1339	il1340	il1341	il1342	il1343
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Table S3. Pearson's correlation analysis of 5°C PRV-3 exposed cohabitants (based on all time points). *As dCt is calculated as Ct(PR-3)-Ct[Reference gene], the lowest dCt value corresponds to the highest virus load. Therefore, a negative value in the correlation analysis for PRV-3 dCt is a positive correlation.

<i>mx</i>	<i>cd4</i>	<i>cd8</i>	<i>ifng</i>	<i>rsad2</i>	<i>ifnc3</i>	<i>tnf</i>	<i>il1b</i>	<i>irf8</i>	<i>mhc class II</i>	<i>gzmA</i>	<i>rfgi</i>	<i>isg15</i>	<i>thr3</i>	<i>excl10</i>	<i>saa</i>	<i>ifit5</i>	<i>ifit44</i>	<i>irf1</i>	<i>csf1r</i>	PRV3 dCt
1.00	0.72	-0.79	-0.63	0.63	0.72	0.69	0.14	-0.33	0.76	0.62	0.74	0.98	0.90	0.88	0.72	0.96	0.95	0.91	0.67	-0.83
<i>cd4</i>	0.72	1.00	-0.63	0.63	0.72	0.69	0.14	-0.33	0.76	0.62	0.58	0.72	0.70	0.72	0.41	0.71	0.73	0.78	0.66	-0.56
<i>cd8</i>	-0.79	1.00	-0.58	-0.81	-0.58	-0.10	-0.04	-0.68	-0.76	-0.68	-0.60	-0.83	-0.81	-0.80	-0.74	-0.55	-0.70	-0.74	-0.76	0.65
<i>ifng</i>	0.61	0.63	1.00	0.64	0.32	0.44	-0.18	0.39	0.42	0.46	0.61	0.60	0.35	0.56	0.44	0.54	0.57	0.58	0.49	-0.47
<i>rsad2</i>	0.99	0.72	-0.81	1.00	0.72	0.16	-0.37	0.77	0.61	0.77	0.98	0.99	0.89	0.88	0.75	0.95	0.96	0.91	0.70	-0.85
<i>ifnc3</i>	0.69	0.53	-0.58	0.32	1.00	-0.18	-0.17	0.68	0.55	0.76	0.69	0.71	0.76	0.65	0.61	0.72	0.74	0.75	0.46	-0.70
<i>tnf</i>	0.14	0.01	-0.10	0.44	0.16	-0.18	0.33	0.08	-0.07	-0.26	0.18	0.14	-0.04	0.27	0.05	0.05	0.12	0.15	0.14	0.07
<i>il1b</i>	-0.33	-0.04	0.22	-0.18	-0.37	0.33	1.00	-0.19	0.01	-0.44	-0.32	-0.33	-0.13	-0.09	-0.45	-0.30	-0.34	-0.13	-0.32	0.44
<i>irf8</i>	0.76	0.68	-0.76	0.39	0.77	0.68	0.08	-0.19	1.00	0.68	0.45	0.83	0.75	0.82	0.38	0.71	0.86	0.76	0.81	-0.56
<i>mhc class II</i>	0.62	0.61	-0.68	0.42	0.61	0.55	-0.07	0.01	0.68	1.00	0.36	0.64	0.61	0.71	0.16	0.64	0.65	0.68	0.62	-0.39
<i>gzmA</i>	0.74	0.58	-0.60	0.46	0.77	0.76	-0.26	-0.44	0.45	0.36	1.00	0.69	0.79	0.69	0.49	0.85	0.75	0.68	0.65	-0.90
<i>rfgi</i>	0.98	0.72	-0.83	0.61	0.98	0.69	0.18	-0.32	0.83	0.64	0.69	1.00	0.98	0.90	0.92	0.68	0.94	0.98	0.92	0.74
<i>isg15</i>	0.98	0.70	-0.81	0.60	0.99	0.71	0.14	-0.33	0.75	0.61	0.79	0.98	1.00	0.87	0.73	0.96	0.95	0.93	0.63	-0.83
<i>thr3</i>	0.90	0.67	-0.80	0.35	0.89	0.76	-0.04	-0.13	0.82	0.71	0.69	0.90	0.92	1.00	0.86	0.56	0.90	0.88	0.89	0.60
<i>excl10</i>	0.88	0.72	-0.74	0.56	0.88	0.65	0.27	-0.09	0.84	0.71	0.49	0.92	0.87	1.00	0.45	0.86	0.93	0.93	0.70	-0.55
<i>saa</i>	0.72	0.41	-0.55	0.44	0.75	0.61	0.05	-0.45	0.38	0.16	0.85	0.68	0.73	0.56	1.00	0.63	0.65	0.54	0.42	-0.87
<i>ifit5</i>	0.96	0.71	-0.70	0.54	0.95	0.72	0.05	-0.30	0.71	0.64	0.75	0.94	0.96	0.90	0.86	1.00	0.93	0.94	0.57	-0.80
<i>ifit44</i>	0.95	0.73	-0.78	0.57	0.96	0.74	0.12	-0.34	0.86	0.65	0.68	0.98	0.95	0.88	0.93	0.65	0.93	1.00	0.92	0.74
<i>irf1</i>	0.91	0.78	-0.74	0.58	0.91	0.75	0.15	-0.13	0.76	0.68	0.65	0.92	0.93	0.89	0.93	0.54	0.94	0.92	1.00	-0.75
<i>csf1r</i>	0.67	0.66	-0.76	0.49	0.70	0.46	0.14	-0.32	0.81	0.62	0.40	0.74	0.63	0.60	0.70	0.42	0.57	0.74	0.58	1.00
PRV3 dCt	-0.83	-0.56	0.65	-0.47	-0.85	-0.70	0.07	0.44	-0.56	-0.39	-0.90	-0.78	-0.83	-0.73	-0.55	-0.87	-0.80	-0.75	-0.66	-0.57

ms	cdl	cd8	cd4	thg	rad2	thcc	thb	trp	mkscd <th>ll</th> <th>gms</th> <th>rqi</th> <th>ag15</th> <th>td3</th> <th>l123e</th> <th>san</th> <th>g15</th> <th>td4</th> <th>td5</th> <th>td6</th> <th>td7</th> <th>td8</th> <th>td9</th> <th>td10</th> <th>td11</th> <th>td12</th> <th>td13</th> <th>td14</th> <th>td15</th> <th>td16</th> <th>td17</th> <th>td18</th> <th>td19</th> <th>td20</th> <th>td21</th> <th>td22</th> <th>td23</th> <th>td24</th> <th>td25</th> <th>td26</th> <th>td27</th> <th>td28</th> <th>td29</th> <th>td30</th> <th>td31</th> <th>td32</th> <th>td33</th> <th>td34</th> <th>td35</th> <th>td36</th> <th>td37</th> <th>td38</th> <th>td39</th> <th>td40</th> <th>td41</th> <th>td42</th> <th>td43</th> <th>td44</th> <th>td45</th> <th>td46</th> <th>td47</th> <th>td48</th> <th>td49</th> <th>td50</th> <th>td51</th> <th>td52</th> <th>td53</th> <th>td54</th> <th>td55</th> <th>td56</th> <th>td57</th> <th>td58</th> <th>td59</th> <th>td60</th> <th>td61</th> <th>td62</th> <th>td63</th> <th>td64</th> 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<th></th>	ll	gms	rqi	ag15	td3	l123e	san	g15	td4	td5	td6	td7	td8	td9	td10	td11	td12	td13	td14	td15	td16	td17	td18	td19	td20	td21	td22	td23	td24	td25	td26	td27	td28	td29	td30	td31	td32	td33	td34	td35	td36	td37	td38	td39	td40	td41	td42	td43	td44	td45	td46	td47	td48	td49	td50	td51	td52	td53	td54	td55	td56	td57	td58	td59	td60	td61	td62	td63	td64	td65	td66	td67	td68	td69	td70	td71	td72	td73	td74	td75	td76	td77	td78	td79	td80	td81	td82	td83	td84	td85	td86	td87	td88	td89	td90	td91	td92	td93	td94	td95	td96	td97	td98	td99	td100	td101	td102	td103	td104	td105	td106	td107	td108	td109	td110	td111	td112	td113	td114	td115	td116	td117	td118	td119	td120	td121	td122	td123	td124	td125	td126	td127	td128	td129	td130	td131	td132	td133	td134	td135	td136	td137	td138	td139	td140	td141	td142	td143	td144	td145	td146	td147	td148	td149	td150	td151	td152	td153	td154	td155	td156	td157	td158	td159	td160	td161	td162	td163	td164	td165	td166	td167	td168	td169	td170	td171	td172	td173	td174	td175	td176	td177	td178	td179	td180	td181	td182	td183	td184	td185	td186	td187	td188	td189	td190	td191	td192	td193	td194	td195	td196	td197	td198	td199	td200	td201	td202	td203	td204	td205	td206	td207	td208	td209	td210	td211	td212	td213	td214	td215	td216	td217	td218	td219	td220	td221	td222	td223	td224	td225	td226	td227	td228	td229	td230	td231	td232	td233	td234	td235	td236	td237	td238	td239	td240	td241	td242	td243	td244	td245	td246	td247	td248	td249	td250	td251	td252	td253	td254	td255	td256	td257	td258	td259	td260	td261	td262	td263	td264	td265	td266	td267	td268	td269	td270	td271	td272	td273	td274	td275	td276	td277	td278	td279	td280	td281	td282	td283	td284	td285	td286	td287	td288	td289	td290	td291	td292	td293	td294	td295	td296	td297	td298	td299	td300	td301	td302	td303	td304	td305	td306	td307	td308	td309	td310	td311	td312	td313	td314	td315	td316	td317	td318	td319	td320	td321	td322	td323	td324	td325	td326	td327	td328	td329	td330	td331	td332	td333	td334	td335	td336	td337	td338	td339	td340	td341	td342	td343	td344	td345	td346	td347	td348	td349	td350	td351	td352	td353	td354	td355	td356	td357	td358	td359	td360	td361	td362	td363	td364	td365	td366	td367	td368	td369	td370	td371	td372	td373	td374	td375	td376	td377	td378	td379	td380	td381	td382	td383	td384	td385	td386	td387	td388	td389	td390	td391	td392	td393	td394	td395	td396	td397	td398	td399	td400	td401	td402	td403	td404	td405	td406	td407	td408	td409	td410	td411	td412	td413	td414	td415	td416	td417	td418	td419	td420	td421	td422	td423	td424	td425	td426	td427	td428	td429	td430	td431	td432	td433	td434	td435	td436	td437	td438	td439	td440	td441	td442	td443	td444	td445	td446	td447	td448	td449	td450	td451	td452	td453	td454	
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Table S5. Pearson's correlation analysis of 5°C PRV-3 exposed shedders (based on all time points). *As dCt is calculated as Ct[PRV-3]-Ct[Reference gene], the lowest dCt value corresponds to the highest virus load. Therefore, a negative value in the correlation analysis for PRV-3 dCt is a positive correlation.

[illegible]

ms	cdcd4	cdcd8	iflg	rand2	iflnc3	inf	itb	trp8	mkfsc28	gsm	rqi	kg15	trj3	cdcd10	ssm	ifl44	8.14E-06	0.20772	0.69E-06
0.000478	0	0.030266	0.17635	7.52E-05	0.18875	2.72E-06	0.10085	0.93668	0.065828	0	0	0	0	3.8E-06	0.121646	0	8.14E-06	0.20772	0.69E-06
0.000478	0	0.032666	0.19162	7.52E-05	0.188636	0.002154	0.203631	0.928451	0.001744	0.0002828	7.64E-06	0.001313	0.003425	0.741E-05	0.001673	0	8.14E-06	0.20772	0.69E-06
0.000485	0	0.032666	0.252712	7.52E-05	0.188766	0.142078	0.343018	0.242511	0.305455	0.558867	0.087304	0.637933	0.167372	0.189822	0.145856	0.673878	0.142219	0.661331	0.797702
0.147635	0.691652	0.527112	0.37969	0.139669	0.139669	0.538534	0.641868	0.376482	0.376482	0.152321	0.110609	0.090134	0.152321	0.068182	0.359042	0.090047	0.087466	0.379149	0.527112
0.138875	0.886356	0.98706	0.535213	0.298284	0.086234	0.783001	0.313729	0.029828	0.88195	0.235579	0.181905	0.121355	0.196331	0.046766	0.003776	0.112672	0.027075	0.371883	0.249278
2.72E-06	0.002154	0.142078	0.231745	1.22E-05	0.000035	0	0.000035	0.10149	0.08755	7.11E-06	1.44E-05	0.638497	0.009437	0.017055	0.598565	0.000251	0.021174	0.042469	0.601931
0.000385	0.203631	0.434018	0.203631	0.002158	0.002158	0.000035	0.141854	0.005732	0.005732	0.015013	0.011847	0.384949	0.0062918	0.384949	0.0074281	0.00831	0.125577	0.042469	0.605845
0.694668	0.090455	0.242511	0.10149	0.002158	0.002158	0.000035	0.141854	0.005732	0.005732	0.196161	0.270519	0.956828	0.009437	0.384949	0.0074281	0.00831	0.125577	0.042469	0.605845
0.000538	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.141854	0.005732	0.005732	0.160868	0.270519	0.956828	0.009437	0.384949	0.0074281	0.00831	0.125577	0.042469	0.605845
0.000228	0.558667	0.558667	0.558667	0.000035	0.000035	0.000035	0.141854	0.005732	0.005732	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035
0.764E-06	0.087304	0.10149	0.10149	0.00069	0.00069	0.00069	0.00069	0.00069	0.00069	0	0	0	0	0	0	0	0	0	0
0.001313	0.637933	0.090134	0.343018	0.343018	0.121355	6.85E-05	0.038497	0.95628	0.02999	0	0	0	0	0	0	0	0	0	0
3.85E-06	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035
0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035
0.121646	0.148562	0.148562	0.93602	0.55E-05	0.003776	0.958665	0.338026	0.01604	0.377603	0.141407	0.1251	0.002625	0.003281	0.002625	0.003281	0.126872	0.182575	0.704283	0.926819
0.001673	0.673878	0.79047	0.79047	0.112672	0.00025	0.074281	0.994334	0.035354	0.035354	1E-08	0	0	0	0	0	0	0	0	0
0.675E-05	0.42219	0.13772	0.13772	0.57E-06	0.09137	1.96E-05	0.00831	0.37787	0.09198	0	0	0	0	0	0	0	4.81E-06	0.078041	1.08E-05
0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035	0.000035
0.22719	0.266153	0.379691	0.379691	0.299E-06	0.918585	0.002269	0.002269	0.002269	0.002269	0.299248	1.2397	0.594219	0.705041	0.705041	0.92723	0.078041	4.81E-06	0.078041	1.08E-05
0.161311	0.297102	0.347974	0.347974	0.799E-06	0.029828	0.001931	0.029845	0.22824	0.33849	0.7E-07	1.81E-05	0.252619	0.252619	0.252619	0.252619	0.000107	0.427526	0.427526	0.791259
6.49E-06	0.161311	0.297102	0.347974	0.799E-06	0.029828	0.001931	0.029845	0.22824	0.33849	0.7E-07	1.81E-05	0.252619	0.252619	0.252619	0.252619	0.000107	0.427526	0.427526	0.791259

Table S7. Pearson's correlation analysis of 12°C PRV-3 exposed cohabitants (based on all time points). *As dCt is calculated as Ct[PRV-3]-Ct[Reference gene], the lowest dCt value corresponds to the highest virus load. Therefore, a negative value in the correlation analysis for PRV-3 dCt is a positive correlation.

<i>mx</i>	<i>cd4</i>	<i>cd8</i>	<i>cd3</i>	<i>lym</i>	<i>roa2</i>	<i>ifnc</i>	<i>tnf</i>	<i>ltb</i>	<i>mhc class ii</i>	<i>gna</i>	<i>agts</i>	<i>cd1202</i>	<i>cd1203</i>	<i>cd1204</i>	<i>cd1205</i>	<i>cd1206</i>	<i>cd1207</i>	<i>cd1208</i>	<i>cd1209</i>	<i>cd1210</i>	<i>cd1211</i>	<i>cd1212</i>	<i>cd1213</i>	<i>cd1214</i>	<i>cd1215</i>	<i>cd1216</i>	<i>cd1217</i>	<i>cd1218</i>	<i>cd1219</i>	<i>cd1220</i>	<i>cd1221</i>	<i>cd1222</i>	<i>cd1223</i>	<i>cd1224</i>	<i>cd1225</i>	<i>cd1226</i>	<i>cd1227</i>	<i>cd1228</i>	<i>cd1229</i>	<i>cd1230</i>	<i>cd1231</i>	<i>cd1232</i>	<i>cd1233</i>	<i>cd1234</i>	<i>cd1235</i>	<i>cd1236</i>	<i>cd1237</i>	<i>cd1238</i>	<i>cd1239</i>	<i>cd1240</i>	<i>cd1241</i>	<i>cd1242</i>	<i>cd1243</i>	<i>cd1244</i>	<i>cd1245</i>	<i>cd1246</i>	<i>cd1247</i>	<i>cd1248</i>	<i>cd1249</i>	<i>cd1250</i>	<i>cd1251</i>	<i>cd1252</i>	<i>cd1253</i>	<i>cd1254</i>	<i>cd1255</i>	<i>cd1256</i>	<i>cd1257</i>	<i>cd1258</i>	<i>cd1259</i>	<i>cd1260</i>	<i>cd1261</i>	<i>cd1262</i>	<i>cd1263</i>	<i>cd1264</i>	<i>cd1265</i>	<i>cd1266</i>	<i>cd1267</i>	<i>cd1268</i>	<i>cd1269</i>	<i>cd1270</i>	<i>cd1271</i>	<i>cd1272</i>	<i>cd1273</i>	<i>cd1274</i>	<i>cd1275</i>	<i>cd1276</i>	<i>cd1277</i>	<i>cd1278</i>	<i>cd1279</i>	<i>cd1280</i>	<i>cd1281</i>	<i>cd1282</i>	<i>cd1283</i>	<i>cd1284</i>	<i>cd1285</i>	<i>cd1286</i>	<i>cd1287</i>	<i>cd1288</i>	<i>cd1289</i>	<i>cd1290</i>	<i>cd1291</i>	<i>cd1292</i>	<i>cd1293</i>	<i>cd1294</i>	<i>cd1295</i>	<i>cd1296</i>	<i>cd1297</i>	<i>cd1298</i>	<i>cd1299</i>	<i>cd1300</i>	<i>cd1301</i>	<i>cd1302</i>	<i>cd1303</i>	<i>cd1304</i>	<i>cd1305</i>	<i>cd1306</i>	<i>cd1307</i>	<i>cd1308</i>	<i>cd1309</i>	<i>cd1310</i>	<i>cd1311</i>	<i>cd1312</i>	<i>cd1313</i>	<i>cd1314</i>	<i>cd1315</i>	<i>cd1316</i>	<i>cd1317</i>	<i>cd1318</i>	<i>cd1319</i>	<i>cd1320</i>	<i>cd1321</i>	<i>cd1322</i>	<i>cd1323</i>	<i>cd1324</i>	<i>cd1325</i>	<i>cd1326</i>	<i>cd1327</i>	<i>cd1328</i>	<i>cd1329</i>	<i>cd1330</i>	<i>cd1331</i>	<i>cd1332</i>	<i>cd1333</i>	<i>cd1334</i>	<i>cd1335</i>	<i>cd1336</i>	<i>cd1337</i>	<i>cd1338</i>	<i>cd1339</i>	<i>cd1340</i>	<i>cd1341</i>	<i>cd1342</i>	<i>cd1343</i>	<i>cd1344</i>	<i>cd1345</i>	<i>cd1346</i>	<i>cd1347</i>	<i>cd1348</i>	<i>cd1349</i>	<i>cd1350</i>	<i>cd1351</i>	<i>cd1352</i>	<i>cd1353</i>	<i>cd1354</i>	<i>cd1355</i>	<i>cd1356</i>	<i>cd1357</i>	<i>cd1358</i>	<i>cd1359</i>	<i>cd1360</i>	<i>cd1361</i>	<i>cd1362</i>	<i>cd1363</i>	<i>cd1364</i>	<i>cd1365</i>	<i>cd1366</i>	<i>cd1367</i>	<i>cd1368</i>	<i>cd1369</i>	<i>cd1370</i>	<i>cd1371</i>	<i>cd1372</i>	<i>cd1373</i>	<i>cd1374</i>	<i>cd1375</i>	<i>cd1376</i>	<i>cd1377</i>	<i>cd1378</i>	<i>cd1379</i>	<i>cd1380</i>	<i>cd1381</i>	<i>cd1382</i>	<i>cd1383</i>	<i>cd1384</i>	<i>cd1385</i>	<i>cd1386</i>	<i>cd1387</i>	<i>cd1388</i>	<i>cd1389</i>	<i>cd1390</i>	<i>cd1391</i>	<i>cd1392</i>	<i>cd1393</i>	<i>cd1394</i>	<i>cd1395</i>	<i>cd1396</i>	<i>cd1397</i>	<i>cd1398</i>	<i>cd1399</i>	<i>cd1400</i>	<i>cd1401</i>	<i>cd1402</i>	<i>cd1403</i>	<i>cd1404</i>	<i>cd1405</i>	<i>cd1406</i>	<i>cd1407</i>	<i>cd1408</i>	<i>cd1409</i>	<i>cd1410</i>	<i>cd1411</i>	<i>cd1412</i>	<i>cd1413</i>	<i>cd1414</i>	<i>cd1415</i>	<i>cd1416</i>	<i>cd1417</i>	<i>cd1418</i>	<i>cd1419</i>	<i>cd1420</i>	<i>cd1421</i>	<i>cd1422</i>	<i>cd1423</i>	<i>cd1424</i>	<i>cd1425</i>	<i>cd1426</i>	<i>cd1427</i>	<i>cd1428</i>	<i>cd1429</i>	<i>cd1430</i>	<i>cd1431</i>	<i>cd1432</i>	<i>cd1433</i>	<i>cd1434</i>	<i>cd1435</i>	<i>cd1436</i>	<i>cd1437</i>	<i>cd1438</i>	<i>cd1439</i>	<i>cd1440</i>	<i>cd1441</i>	<i>cd1442</i>	<i>cd1443</i>	<i>cd1444</i>	<i>cd1445</i>	<i>cd1446</i>	<i>cd1447</i>	<i>cd1448</i>	<i>cd1449</i>	<i>cd1450</i>	<i>cd1451</i>	<i>cd1452</i>	<i>cd1453</i>	<i>cd1454</i>	<i>cd1455</i>	<i>cd1456</i>	<i>cd1457</i>	<i>cd1458</i>	<i>cd1459</i>	<i>cd1460</i>	<i>cd1461</i>	<i>cd1462</i>	<i>cd1463</i>	<i>cd1464</i>	<i>cd1465</i>	<i>cd1466</i>	<i>cd1467</i>	<i>cd1468</i>	<i>cd1469</i>	<i>cd1470</i>	<i>cd1471</i>	<i>cd1472</i>	<i>cd1473</i>	<i>cd1474</i>	<i>cd1475</i>	<i>cd1476</i>	<i>cd1477</i>	<i>cd1478</i>	<i>cd1479</i>	<i>cd1480</i>	<i>cd1481</i>	<i>cd1482</i>	<i>cd1483</i>	<i>cd1</i>
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Table S8. P-value of Pearson's correlation analysis of 12°C PRV-3 exposed cohobitants (based on all time points).

<i>mx</i>	<i>cd4</i>	<i>cd8</i>	<i>iflg</i>	<i>rcad2</i>	<i>ifnc3</i>	<i>tnf</i>	<i>tlfb</i>	<i>trf8</i>	<i>mlc class II</i>	<i>gama</i>	<i>rfc1</i>	<i>arg15</i>	<i>tlc3</i>	<i>excl10</i>	<i>saa</i>	<i>ifn5</i>	<i>ifn4</i>	<i>cd11c</i>	<i>PRV3 dCt</i>	
0	0.000216	0.871931	0.078898	0	0.143372	0.209237	0.292785	0.126051	0.011269	1.7E-07	0	1E-08	0.000408	0.000059	0.247778	1.2E-07	3E-08	6.38E-06	0.98813	8.3E-07
<i>cd4</i>	0.000216	0	0.754051	0.000119	0.244889	0.242717	0.327115	0.412306	0.074058	0.000873	0.000717	0.000254	0.00731	0.001951	0.248058	0.000129	0.00396	0.00476	0.867395	0.000933
<i>cd8</i>	0.871931	0.754051	0	0.904155	0.465157	0.0701078	0.005071	4.95E-05	0.955676	0.606074	0.322157	0.264488	0.686921	0.1201	0.746631	0.191723	0.466933	0.115864	0.01562	0.641468
<i>iflg</i>	0.078898	0.754051	0.078898	0	0.465157	0.0701078	0.005071	4.95E-05	0.955676	0.606074	0.322157	0.264488	0.686921	0.1201	0.746631	0.191723	0.466933	0.115864	0.01562	0.641468
<i>rcad2</i>	0	0.000119	0.904155	0.000119	0	0.151118	0.231669	0.581225	0.037014	1.9E-07	0.111138	0.007693	0.000464	0.013E-05	0.154577	0	0.008522	4.3E-07	3.3E-06	0.652754
<i>ifnc3</i>	0.143372	0.244889	0.465157	0.019217	0.046841	0	0.440535	0.305926	0.633429	0.386769	0.098102	0.122642	0.092255	0.384116	0.043953	0.08083	0.093422	0.369112	0.167471	0.076241
<i>tnf</i>	0.209237	0.242717	0.071078	0.589677	0.15116	0.440535	0	0.258633	0.367696	0.02907	0.19766	0.512026	0.756811	0.813733	0.640417	0.301385	0.199018	0.492757	0.458977	0.132227
<i>tlfb</i>	0.292785	0.327115	0.005071	0.600049	0.231669	0.305926	0.440535	0	0.986426	0.403365	0.091717	0.74846	0.214268	0.682094	0.619934	0.851938	0.633677	0.463074	0.225872	0.042105
<i>trf8</i>	0.126051	0.746631	0.05071	0.955676	0.037014	0.386769	0.367696	0	0.00782	0.006782	0.017967	0.006782	0.006782	0.006782	0.006782	0.006782	0.006782	0.006782	0.006782	0.006782
<i>mlc class II</i>	0.011269	0.074058	0.955676	0.354715	0.037014	0.386769	0.367696	0	0.017967	0.017967	0.017967	0.017967	0.017967	0.017967	0.017967	0.017967	0.017967	0.017967	0.017967	0.017967
<i>gama</i>	1.7E-07	0.000873	0.606074	0.09123	1.6E-07	0.098102	0.02907	0.403365	0.863972	0.017967	5.5E-07	7.07E-06	7.63E-05	0.002849	0.18052	3.48E-05	1.42E-06	4.09E-05	0.924493	7.59E-06
<i>rfc1</i>	0	0.000717	0.111138	0	0.12642	0.19766	0.091717	0.582885	0.016355	7.63E-06	7.07E-06	0.003038	0.003038	2.69E-06	0.117873	3.7E-05	3.7E-05	0.00947	0.127765	5.67E-06
<i>arg15</i>	0	0.00254	0.264488	0.007693	0.092255	0.512026	0.74846	0.070092	0.106988	0.000873	0.000717	0.000254	0.00731	0.001951	0.248058	0.000129	0.00396	0.00476	0.867395	0.000933
<i>excl10</i>	0.000259	0.001951	0.248058	0.000129	0.00396	0.00476	0.867395	0.000933	0.00476	0.000933	0.000717	0.000254	0.00731	0.001951	0.248058	0.000129	0.00396	0.00476	0.867395	0.000933
<i>saa</i>	0.247778	0.248058	0.746631	0.033598	0.145477	0.08083	0.640417	0.619934	0.252264	0.006782	0.007967	0.002849	0.023498	0.163909	0	0.146752	0.107958	0.103529	0.203437	0.332942
<i>ifn5</i>	1.2E-07	0.000129	0.191723	0.008522	0	0.093422	0.301385	0.851938	0.04579	1.93E-05	3.48E-05	0	0.003947	2.82E-06	0	0	0.146752	0.107958	0.103529	0.203437
<i>ifn4</i>	0.332942	0.203437	0.332942	0.103529	0.203437	0.04579	0.04579	0.153993	0.006782	0.006782	0.006782	0.006782	0.006782	0.006782	0.006782	0.006782	0.006782	0.006782	0.006782	0.006782
<i>cd11c</i>	0.98813	0.867395	0.01562	0.00476	0.008522	0.167471	0.492757	0.458977	0.00886	4.99E-05	0.00692	0.7E-05	0.003947	2.82E-06	0	0.00154	0.000219	0.000219	0.000219	0.000219
<i>PRV3 dCt</i>	8.3E-07	0.000933	0.641468	0.026044	1.7E-07	0.018852	0.132227	0.042105	0.981505	0.077247	7.59E-06	1.29E-05	5.67E-06	0.009301	0.004712	2.55E-05	0.00024	0.000194	0.656203	0

Table S9. Pearson's correlation analysis of 12°C PRV-3 exposed shedders (based on all time points). *As dCt is calculated as Ct[PRV-3]-Ct[Reference gene], the lowest dCt value corresponds to the highest virus load. Therefore, a negative value in the correlation analysis for PRV-3 dCt is a positive correlation.

<i>mx</i>	<i>cd4</i>	<i>cd8</i>	<i>ifng</i>	<i>ifng2</i>	<i>ifnc3</i>	<i>ifnb</i>	<i>il6</i>	<i>il1b</i>	<i>il18</i>	<i>il10</i>	<i>il12a</i>	<i>il12b</i>	<i>il12g</i>	<i>il12g2</i>	<i>il12g3</i>	<i>il12g4</i>	<i>il12g5</i>	<i>il12g6</i>	<i>il12g7</i>	<i>il12g8</i>	<i>il12g9</i>	<i>il12g10</i>	<i>il12g11</i>	<i>il12g12</i>	<i>il12g13</i>	<i>il12g14</i>	<i>il12g15</i>	<i>il12g16</i>	<i>il12g17</i>	<i>il12g18</i>	<i>il12g19</i>	<i>il12g20</i>	<i>il12g21</i>	<i>il12g22</i>	<i>il12g23</i>	<i>il12g24</i>	<i>il12g25</i>	<i>il12g26</i>	<i>il12g27</i>	<i>il12g28</i>	<i>il12g29</i>	<i>il12g30</i>	<i>il12g31</i>	<i>il12g32</i>	<i>il12g33</i>	<i>il12g34</i>	<i>il12g35</i>	<i>il12g36</i>	<i>il12g37</i>	<i>il12g38</i>	<i>il12g39</i>	<i>il12g40</i>	<i>il12g41</i>	<i>il12g42</i>	<i>il12g43</i>	<i>il12g44</i>	<i>il12g45</i>	<i>il12g46</i>	<i>il12g47</i>	<i>il12g48</i>	<i>il12g49</i>	<i>il12g50</i>	<i>il12g51</i>	<i>il12g52</i>	<i>il12g53</i>	<i>il12g54</i>	<i>il12g55</i>	<i>il12g56</i>	<i>il12g57</i>	<i>il12g58</i>	<i>il12g59</i>	<i>il12g60</i>	<i>il12g61</i>	<i>il12g62</i>	<i>il12g63</i>	<i>il12g64</i>	<i>il12g65</i>	<i>il12g66</i>	<i>il12g67</i>	<i>il12g68</i>	<i>il12g69</i>	<i>il12g70</i>	<i>il12g71</i>	<i>il12g72</i>	<i>il12g73</i>	<i>il12g74</i>	<i>il12g75</i>	<i>il12g76</i>	<i>il12g77</i>	<i>il12g78</i>	<i>il12g79</i>	<i>il12g80</i>	<i>il12g81</i>	<i>il12g82</i>	<i>il12g83</i>	<i>il12g84</i>	<i>il12g85</i>	<i>il12g86</i>	<i>il12g87</i>	<i>il12g88</i>	<i>il12g89</i>	<i>il12g90</i>	<i>il12g91</i>	<i>il12g92</i>	<i>il12g93</i>	<i>il12g94</i>	<i>il12g95</i>	<i>il12g96</i>	<i>il12g97</i>	<i>il12g98</i>	<i>il12g99</i>	<i>il12g100</i>	<i>il12g101</i>	<i>il12g102</i>	<i>il12g103</i>	<i>il12g104</i>	<i>il12g105</i>	<i>il12g106</i>	<i>il12g107</i>	<i>il12g108</i>	<i>il12g109</i>	<i>il12g110</i>	<i>il12g111</i>	<i>il12g112</i>	<i>il12g113</i>	<i>il12g114</i>	<i>il12g115</i>	<i>il12g116</i>	<i>il12g117</i>	<i>il12g118</i>	<i>il12g119</i>	<i>il12g120</i>	<i>il12g121</i>	<i>il12g122</i>	<i>il12g123</i>	<i>il12g124</i>	<i>il12g125</i>	<i>il12g126</i>	<i>il12g127</i>	<i>il12g128</i>	<i>il12g129</i>	<i>il12g130</i>	<i>il12g131</i>	<i>il12g132</i>	<i>il12g133</i>	<i>il12g134</i>	<i>il12g135</i>	<i>il12g136</i>	<i>il12g137</i>	<i>il12g138</i>	<i>il12g139</i>	<i>il12g140</i>	<i>il12g141</i>	<i>il12g142</i>	<i>il12g143</i>	<i>il12g144</i>	<i>il12g145</i>	<i>il12g146</i>	<i>il12g147</i>	<i>il12g148</i>	<i>il12g149</i>	<i>il12g150</i>	<i>il12g151</i>	<i>il12g152</i>	<i>il12g153</i>	<i>il12g154</i>	<i>il12g155</i>	<i>il12g156</i>	<i>il12g157</i>	<i>il12g158</i>	<i>il12g159</i>	<i>il12g160</i>	<i>il12g161</i>	<i>il12g162</i>	<i>il12g163</i>	<i>il12g164</i>	<i>il12g165</i>	<i>il12g166</i>	<i>il12g167</i>	<i>il12g168</i>	<i>il12g169</i>	<i>il12g170</i>	<i>il12g171</i>	<i>il12g172</i>	<i>il12g173</i>	<i>il12g174</i>	<i>il12g175</i>	<i>il12g176</i>	<i>il12g177</i>	<i>il12g178</i>	<i>il12g179</i>	<i>il12g180</i>	<i>il12g181</i>	<i>il12g182</i>	<i>il12g183</i>	<i>il12g184</i>	<i>il12g185</i>	<i>il12g186</i>	<i>il12g187</i>	<i>il12g188</i>	<i>il12g189</i>	<i>il12g190</i>	<i>il12g191</i>	<i>il12g192</i>	<i>il12g193</i>	<i>il12g194</i>	<i>il12g195</i>	<i>il12g196</i>	<i>il12g197</i>	<i>il12g198</i>	<i>il12g199</i>	<i>il12g200</i>	<i>il12g201</i>	<i>il12g202</i>	<i>il12g203</i>	<i>il12g204</i>	<i>il12g205</i>	<i>il12g206</i>	<i>il12g207</i>	<i>il12g208</i>	<i>il12g209</i>	<i>il12g210</i>	<i>il12g211</i>	<i>il12g212</i>	<i>il12g213</i>	<i>il12g214</i>	<i>il12g215</i>	<i>il12g216</i>	<i>il12g217</i>	<i>il12g218</i>	<i>il12g219</i>	<i>il12g220</i>	<i>il12g221</i>	<i>il12g222</i>	<i>il12g223</i>	<i>il12g224</i>	<i>il12g225</i>	<i>il12g226</i>	<i>il12g227</i>	<i>il12g228</i>	<i>il12g229</i>	<i>il12g230</i>	<i>il12g231</i>	<i>il12g232</i>	<i>il12g233</i>	<i>il12g234</i>	<i>il12g235</i>	<i>il12g236</i>	<i>il12g237</i>	<i>il12g238</i>	<i>il12g239</i>	<i>il12g240</i>	<i>il12g241</i>	<i>il12g242</i>	<i>il12g243</i>	<i>il12g244</i>	<i>il12g245</i>	<i>il12g246</i>	<i>il12g247</i>	<i>il12g248</i>	<i>il12g249</i>	<i>il12g250</i>	<i>il12g251</i>	<i>il12g252</i>	<i>il12g253</i>	<i>il12g254</i>	<i>il12g255</i>	<i>il12g256</i>	<i>il12g257</i>	<i>il12g258</i>	<i>il12g259</i>	<i>il12g260</i>	<i>il12g261</i>	<i>il12g262</i>	<i>il12g263</i>	<i>il12g264</i>	<i>il12g265</i>	<i>il12g266</i>	<i>il12g267</i>	<i>il12g268</i>	<i>il12g269</i>	<i>il12g270</i>	<i>il12g271</i>	<i>il12g272</i>	<i>il12g273</i>	<i>il12g274</i>	<i>il12g275</i>	<i>il12g276</i>	<i>il12g277</i>	<i>il12g278</i>	<i>il12g279</i>	<i>il12g280</i>	<i>il12g281</i>	<i>il12g282</i>	<i>il12g283</i>	<i>il12g284</i>	<i>il12g285</i>	<i>il12g286</i>	<i>il12g287</i>	<i>il12g288</i>	<i>il12g289</i>	<i>il12g290</i>	<i>il12g291</i>	<i>il12g292</i>	<i>il12g293</i>	<i>il12g294</i>	<i>il12g295</i>	<i>il12g296</i>	<i>il12g297</i>	<i>il12g298</i>	<i>il12g299</i>	<i>il12g300</i>	<i>il12g301</i>	<i>il12g302</i>	<i>il12g303</i>	<i>il12g304</i>	<i>il12g305</i>	<i>il12g306</i>	<i>il12g307</i>	<i>il12g308</i>	<i>il12g309</i>	<i>il12g310</i>	<i>il12g311</i>	<i>il12g312</i>	<i>il12g313</i>	<i>il12g314</i>	<i>il12g315</i>	<i>il12g316</i>	<i>il12g317</i>	<i>il12g318</i>	<i>il12g319</i>	<i>il12g320</i>	<i>il12g321</i>	<i>il12g322</i>	<i>il12g323</i>	<i>il12g324</i>	<i>il12g325</i>	<i>il12g326</i>	<i>il12g327</i>	<i>il12g328</i>	<i>il12g329</i>	<i>il12g330</i>	<i>il12g331</i>	<i>il12g332</i>	<i>il12g333</i>	<i>il12g334</i>	<i>il12g335</i>	<i>il12g336</i>	<i>il12g337</i>	<i>il12g338</i>	<i>il12g339</i>	<i>il12g340</i>	<i>il12g341</i>	<i>il12g342</i>	<i>il12g343</i>	<i>il12g344</i>	<i>il12g345</i>	<i>il12g346</i>	<i>il12g347</i>	<i>il12g348</i>	<i>il12g349</i>	<i>il12g350</i>	<i>il12g351</i>	<i>il12g352</i>	<i>il12g353</i>	<i>il12g354</i>	<i>il12g355</i>	<i>il12g356</i>	<i>il12g357</i>	<i>il12g358</i>	<i>il12g359</i>	<i>il12g360</i>	<i>il12g361</i>	<i>il12g362</i>	<i>il12g363</i>	<i>il12g364</i>	<i>il12g365</i>	<i>il12g366</i>	<i>il12g367</i>	<i>il12g368</i>	<i>il12g369</i>	<i>il12g370</i>	<i>il12g371</i>	<i>il12g372</i>	<i>il12g373</i>	<i>il12g374</i>	<i>il12g375</i>	<i>il12g376</i>	<i>il12g377</i>	<i>il12g378</i>	<i>il12g379</i>	<i>il12g380</i>	<i>il12g381</i>	<i>il12g382</i>	<i>il12g383</i>	<i>il12g384</i>	<i>il12g385</i>	<i>il12g386</i>	<i>il12g387</i>	<i>il12g388</i>	<i>il12g389</i>	<i>il12g390</i>	<i>il12g391</i>	<i>il12g392</i>	<i>il12g393</i>	<i>il12g394</i>	<i>il12g395</i>	<i>il12g396</i>	<i>il12g397</i>	<i>il12g398</i>	<i>il12g399</i>	<i>il12g400</i>	<i>il12g401</i>	<i>il12g402</i>	<i>il12g403</i>	<i>il12g404</i>	<i>il12g405</i>	<i>il12g406</i>	<i>il12g407</i>	<i>il12g408</i>	<i>il12g409</i>	<i>il12g410</i>	<i>il12g411</i>	<i>il12g412</i>	<i>il12g413</i>	<i>il12g414</i>	<i>il12g415</i>	<i>il12g416</i>	<i>il12g417</i>	<i>il12g418</i>	<i>il12g419</i>	<i>il12g420</i>	<i>il12g421</i>	<i>il12g422</i>	<i>il12g423</i>	<i>il12g424</i>	<i>il12g425</i>	<i>il12g426</i>	<i>il12g427</i>	<i>il12g428</i>	<i>il12g429</i>	<i>il12g430</i>	<i>il12g431</i>	<i>il12g432</i>	<i>il12g433</i>	<i>il12g434</i>	<i>il12g435</i>	<i>il12g436</i>	<i>il12g437</i>	<i>il12g438</i>	<i>il12g439</i>	<i>il12g440</i>	<i>il12g441</i>	<i>il12g442</i>	<i>il12g443</i>	<i>il12g444</i>	<i>il12g445</i>	<i>il12g446</i>	<i>il12g447</i>	<i>il12g448</i>	<i>il12g449</i>	<i>il12g450</i>	<i>il12g451</i>	<i>il12g452</i>	<i>il12g453</i>	<i>il12g454</i>	<i>il12g455</i>	<i>il12g456</i>	<i>il12g457</i>	<i>il12g458</i>	<i>il12g459</i>	<i>il12g460</i>	<i>il12g461</i>	<i>il12g462</i>	<i>il12g463</i>	<i>il12g464</i>	<i>il12g465</i>	<i>il12g466</i>	<i>il12g467</i>	<i>il12g468</i>	<i>il12g469</i>	<i>il12g470</i>	<i>il12g471</i>	<i>il12g472</i>	<i>il12g473</i>	<i>il12g474</i>	<i>il12g475</i>	<i>il12g476</i>	<i>il12g477</i>	<i>il12g478</i>	<i>il12g479</i>	<i>il12g480</i>	<i>il12g481</i>	<i>il12g482</i>	<i>il12g483</i>	<i>il12g484</i>	<i>il12g485</i>	<i>il12g486</i>	<i>il12g487</i>	<i>il12g488</i>	<i>il12g489</i>	<i>il12g490</i>	<i>il12g491</i>	<i>il12g492</i>	<i>il12g493</i>	<i>il12g494</i>	<i>il12g495</i>	<i>il12g496</i>	<i>il12g497</i>	<i>il12g498</i>	<i>il12g499</i>	<i>il12g500</i>	<i>il12g501</i>	<i>il12g502</i>	<i>il12g503</i>	<i>il12g504</i>	<i>il12g505</i>	<i>il12g506</i>	<i>il12g507</i>	<i>il12g508</i>	<i>il12g509</i>	<i>il12g510</i>	<i>il12g511</i>	<i>il12g512</i>	<i>il12g513</i>	<i>il12g514</i>	<i>il12g515</i>	<i>il12g516</i>	<i>il12g517</i>	<i>il12g518</i>	<i>il12g519</i>	<i>il12g520</i>	<i>il12g521</i>	<i>il12g522</i>	<i>il12g523</i>	<i>il12g524</i>	<i>il12g525</i>	<i>il12g526</i>	<i>il12g527</i>	<i>il12g528</i>	<i>il12g529</i>	<i>il12g530</i>	<i>il12g531</i>	<i>il12g532</i>	<i>il12g533</i>	<i>il12g534</i>	<i>il12g535</i>	<i>il12g536</i>	<i>il12g537</i>	<i>il12g538</i>	<i>il12g539</i>	<i>il12g540</i>	<i>il12g541</i>	<i>il12g542</i>	<i>il12g543</i>	<i>il12g544</i>	<i>il12g545</i>	<i>il12g546</i>	<i>il12g547</i>	<i>il12g548</i>	<i>il12g549</i>	<i>il12g550</i>	<i>il12g551</i>	<i>il12g552</i>	<i>il12g553</i>	<i>il12g554</i>	<i>il12g555</i>	<i>il12g556</i>	<i>il12g557</i>	<i>il12g558</i>	<i>il12g559</i>	<i>il12g560</i>	<i>il12g561</i>	<i>il12g562</i>	<i>il12g563</i>	<i>il12g564</i>	<i>il12g565</i>	<i>il12g566</i>	<i>il12g567</i>	<i>il12g568</i>	<i>il12g569</i>	<i>il12g570</i>	<i>il12g571</i>	<i>il12g572</i>	<i>il12g573</i>	<i>il12g574</i>	<i>il12g575</i>	<i>il12g576</i>	<i>il12g577</i>	<i>il12g578</i>	<i>il12g579</i>	<i>il12g580</i>	<i>il12g581</i>	<i>il12g582</i>	<i>il12g583</i>	<i>il12g584</i>	<i>il12g585</i>	<i>il12g586</i>	<i>il12g587</i>	<i>il12g588</i>	<i>il12g589</i>	<i>il12g590</i>	<i>il12g591</i>	<i>il12g592</i>	<i>il12g593</i>	<i>il12g594</i>	<i>il12g595</i>	<i>il12g596</i>	<i>il12g597</i>	<i>il12g598</i>	<i>il12g599</i>	<i>il12g600</i>	<i>il12g601</i>	<i>il12g602</i>	<i>il12g603</i>	<i>il12g604</i>	<i>il12g605</i>	<i>il12g606</i>	<i>il12g607</i>	<i>il12g608</i>	<i>il12g609</i>	<i>il12g610</i>	<i>il12g611</i>	<i>il12g612</i>	<i>il12g613</i>	<i>il12g614</i>	<i>il12g615</i>	<i>il12g616</i>	<i>il12g617</i>	<i>il12g618</i>	<i>il12g619</i>	<i>il12g620</i>	<i>il12g621</i>	<i>il12g622</i>	<i>il12g623</i>	<i>il12g624</i>	<i>il12g625</i>	<i>il12g626</i>	<i>il12g627</i>	<i>il12g628</i>	<i>il12g629</i>	<i>il12g630</i>	<i>il12g631</i>	<i>il12g632</i>	<i>il12g633</i>	<i>il12g634</i>	<i>il12g635</i>	<i>il12g636</i>	<i>il12g637</i>	<i>il12g638</i>	<i>il12g639</i>	<i>il12g640</i>	<i>il12g641</i>	<i>il12g642</i>	<i>il12g643</i>	<i>il12g644</i>	<i>il12g645</i>	<i>il12g646</i>	<i>il12g647</i>	<i>il12g648</i>	<i>il12g649</i>	<i>il12g650</i>	<i>il12g651</i>	<i>il12g652</i>	<i>il12g653</i>	<i>il12g654</i>	<i>il12g655</i>	<i>il12g656</i>	<i>il12g657</i>	<i>il12g658</i>	<i>il12g659</i>	<i>il12g660</i>	<i>il12g661</i>	<i>il12g662</i>	<i>il12g663</i>	<i>il12g664</i>	<i>il12g665</i>	<i>il12g666</i>	<i>il12g667</i>	<i>il12g668</i>	<i>il12g669</i>	<i>il12g670</i>	<i>il12g671</i>	<i>il12g672</i>	<i>il12g673</i>	<i>il12g674</i>	<i>il12g675</i>	<i>il12g676</i>	<i>il12g677</i>	<i>il12g678</i>	<i>il12g679</i>	<i>il12g680</i>	<i>il12g681</i>	<i>il12g682</i>	<i>il12g683</i>	<i>il12g684</i>	<i>il12g685</i>	<i>il12g686</i>	<i>il12g687</i>	<i>il12g688</i>	<i>il12g689</i>	<i>il12g690</i>	<i>il12g691</i>	<i>il12g692</i>	<i>il12g693</i>	<i>il12g694</i>	<i>il12g695</i>	<i>il12g696</i>	<i>il12g697</i>	<i>il12g698</i>	<i>il12g699</i>	<i>il12g700</i>	<i>il12g701</i>	<i>il12g702</i>	<i>il12g703</i>	<i>il12g704</i>	<i>il12g705</i>	<i>il12g706</i>	<i>il12g707</i>	<i>il12g708</i>	<i>il12g709</i>	<i>il12g710</i>	<i>il12g711</i>	<i>il12g712</i>	<i>il12g713</i>	<i>il12g714</i>	<i>il12g715</i>	<i>il12g716</i>	<i>il12g717</i>	<i>il12g718</i>	<i>il12g719</i>	<i>il12g720</i>	<i>il12g721</i>	<i>il12g722</i>	<i>il12g723</i>	<i>il12g724</i>	<i>il12g725</i>	<i>il12g726</i>	<i>il12g727</i>	<i>il12g728</i>	<i>il12g729</i>	<i>il12g730</i>	<i>il12g731</i>	<i>il12g732</i>	<i>il12g733</i>	<i>il12g734</i>	<i>il12g735</i>	<i>il12g736</i>	<i>il12g737</i>	<i>il12g738</i>	<i>il12g739</i>	<i>il12g740</i>	<i>il12g741</i>	<i>il12g742</i>	<i>il12g743</i>	<i>il12g744</i>	<i>il12g745</i>	<i>il12g746</i>	<i>il12g747</i>	<i>il12g748</i>	<i>il12g749</i>	<i>il12g750</i>	<i>il12g751</i>	<i>il12g752</i>	<i>il12g753</i>	<i>il12g754</i>	<i>il12g755</i>	<i>il12g756</i>	<i>il12g757</i>	<i>il12g758</i>	<i>il12g759</i>	<i>il12g760</i>
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Table S10. P-value of Pearson's correlation analysis of 12°C PRV-3 exposed shedders (based on all time points).

mx	cd8	iflg	evad2	ifnc3	tnf	tlfb	trf8	nhc class II	gama	rfc1	arg15	dlc3	exc110	saa	ifn5	ifn4	cellc	PRV3 dCt		
0.69647	0.156478	0.301663	8.83E-06	0.087556	0.69517	0.614709	0.382703	0.581797	0.521607	0.05E-06	0.000449	0.00443	0.001724	0.189202	0.000849	4.28E-06	0.000337	0.696586	0.032923	
cd4	0.69647	0	0.260631	0.506012	0.259283	0.444881	0.987098	0.008751	0.154061	0.559509	0.888339	0.193866	0.545228	0.333674	0.386066	0.1554	0.484471	0.867557	0.706033	
cd8	0.156478	0.260631	0	0.229383	0.030492	0.442449	0.33423	0.595065	0.075938	0.531001	0.305288	0.004359	0.662279	0.18137	0.030612	0.128825	0.046053	0.038847	0.01093	
iflg	0.301663	0.506012	0.259283	0	0.342859	0.044599	0.779591	0.538627	0.986912	0.166738	0.30E-05	1.9E-07	0.001032	0.001025	0.031031	3.87E-06	5.70E-05	0.001462	0.086841	0.01857
ifnc3	0.83E-06	0.259283	0.030492	0.342859	0	0.044599	0.779591	0.538627	0.986912	0.166738	0.30E-05	1.9E-07	0.001032	0.001025	0.031031	3.87E-06	5.70E-05	0.001462	0.086841	0.01857
tnf	0.087556	0.444881	0.442449	0.38792	0.044599	0	0.054636	0.268684	0.847822	0.814776	0.741345	0.183178	0.226012	0.087573	0.026534	0.085759	0.281562	0.017464	0.090933	0.068567
ifn5	0.69517	0.169411	0.33423	0.406056	0.779591	0.054636	0	0.153811	0.331941	0.268718	0.134856	0.774426	0.412664	0.846037	0.914273	0.961008	0.635635	0.341119	0.806474	0.340648
tlfb	0.614709	0.987098	0.595065	0.517472	0.838627	0.268684	0.153811	0	0.824904	0.165481	0.279161	0.596307	0.895726	0.219699	0.338853	0.858409	0.918944	0.499924	0.141145	0.979436
trf8	0.382703	0.581797	0.986912	0.847822	0.814776	0.268718	0.331941	0.824904	0	0.655105	0.238888	0.801444	0.587738	0.4138027	0.750174	0.74316	0.291159	0.349365	0.715778	0.103688
nhc class II	0.581797	0.154061	0.018777	0.045437	0.634631	0.814776	0.268718	0.165481	0.655105	0	0.081483	0.00305	3.86E-05	0.000343	0.020355	0.001133	1.64E-05	0.029531	0.884391	0.28626
gama	0.521607	0.559509	0.531001	0.160978	0.266483	0.741345	0.134856	0.279161	0.348105	0.238888	0.081483	0.00305	3.86E-05	0.000343	0.020355	0.001133	1.64E-05	0.029531	0.884391	0.28626
rfc1	1.05E-06	0.888339	0.305288	0.70036	3.62E-05	0.183178	0.774426	0.596307	0.246709	0.801444	0.081483	0.00305	3.86E-05	0.000343	0.020355	0.001133	1.64E-05	0.029531	0.884391	0.28626
arg15	0.00449	0.193866	0.004359	0.130177	1.9E-03	0.075938	0.454414	0.987469	0.644229	0.165778	0.581738	0.00305	3.86E-05	0.000343	0.020355	0.001133	1.64E-05	0.029531	0.884391	0.28626
exc110	0.001724	0.333674	0.18137	0.340358	0.000125	0.087573	0.846037	0.219699	0.515187	0.438927	0.020335	0.000605	0.008857	8.22E-05	0	0.1767	0.209248	0.004211	0.01239	0.248056
saa	0.189202	0.386066	0.030612	0.768716	0.031031	0.026534	0.914273	0.38853	0.140962	0.261389	0.020335	0.000605	0.008857	8.22E-05	0	0.1767	0.209248	0.004211	0.01239	0.248056
ifn5	0.000849	0.1554	0.128825	0.257948	3.87E-06	0.083759	0.961008	0.838409	0.877074	0.48225	0.074316	0.001133	2.15E-06	0.000797	6.69E-05	0.209248	0	0.01576	0.001507	0.065564
ifn4	0.030337	0.053557	0.038857	0.088952	0.00146	0.034119	0.409924	0.59233	0.722797	0.59233	0.029531	0.001507	0.045318	0.01239	0.332803	0.001576	0.030268	0.002568	0.078698	0.081446
cellc	0.696586	0.053857	0.01093	0.012928	0.086841	0.009933	0.806474	0.141145	0.20279	0.050928	0.715778	0.884391	0.014532	0.998866	0.243056	0.065564	0.030268	0.001507	0.078698	0.081446
PRV3 dCt	0.042921	0.706033	0.014964	0.10108	0.01857	0.068567	0.340648	0.979436	0.33866	0.051987	0.103688	0.28626	0.00302	0.966672	0.236533	0.004791	0.167913	0.094956	0.081416	0.025455

[illegible]

[illegible]

[illegible]

Table S14. P-value of Pearson's correlation analysis of 18°C PRV-3 exposed shedders (based on all time points).

	mx	cid8	iflg	evad	iflg3	inf	tlfb	trf8	mlc class II	gma	rgi	fig15	dlc3	exc110	saa	iflg5	iflg4	cellr	PRV3 dCt	
mx	0	0.964422	0.181941	0.831824	1.90E-05	0.79368	0.00682	0.381148	0.580878	0.855644	0.000569	5.7E-06	0.000483	0.222466	0.000186	0.736547	0.000129	0.008565	0.9427	0.313238
cid8	0.181941	0	0.157523	0.831264	0.334707	0.278928	0.00682	0.381148	0.16467	0.029254	0.152118	0.242277	0.452183	0.405475	0.878424	0.038154	0.300988	0.406068	0.68671	0.024588
iflg	0.831824	0.831264	0.275266	0.008895	0.917014	0.176256	0.482116	0.228544	0.238544	0.145941	0.016581	0.000006	0.000006	0.000006	0.000006	0.000006	0.000006	0.000006	0.000006	0.000006
iflg3	1.90E-05	0.334707	0.008895	0.917014	0	0.862975	0.482116	0.097127	0.319806	0.543609	0.016581	4.5E-07	0.000134	0.37662	0.000815	0.113623	0.000678	0.011628	0.769988	0.173205
inf	0.79368	0.278928	0.862664	0.730212	0.462975	0	0.058545	0.197969	0.445734	0.019341	0.775338	0.437491	0.527446	0.542767	0.376911	0.628074	0.730625	0.371006	0.346943	0.823692
tlfb	0.938563	0.831148	0.535811	0.220295	0.697127	0.197969	0	0.207556	0.208391	0.000178	0.25956	0.362167	0.404097	0.278631	0.732691	0.9547	0.502223	0.522244	0.17561	0.047815
trf8	0.580878	0.16467	0.188988	0.228544	0.238544	0.145941	0.016581	0.000006	0.000006	0.000006	0.000006	0.000006	0.000006	0.000006	0.000006	0.000006	0.000006	0.000006	0.000006	0.000006
mlc class II	0.855644	0.029254	0.817765	0.145941	0.543609	0.019341	0.000178	0.207556	0.208391	0.000178	0.25956	0.362167	0.404097	0.278631	0.732691	0.9547	0.502223	0.522244	0.17561	0.047815
gma	0.000569	0.152118	0.666304	0.862305	0.016581	0.775338	0.25956	0.362167	0.404097	0.019341	0.000178	0.207556	0.208391	0.000178	0.25956	0.362167	0.404097	0.278631	0.732691	0.9547
rgi	5.7E-06	0.242277	0.073854	0.950423	0.000134	0.527446	0.404097	0.670981	0.110719	0.269675	0.001238	0.002908	0.351648	0.351648	0.000081	0.515892	0.000181	0.133228	0.252152	0.065962
fig15	0.000483	0.222466	0.047083	0.590423	0.000134	0.527446	0.404097	0.670981	0.110719	0.269675	0.001238	0.002908	0.351648	0.351648	0.000081	0.515892	0.000181	0.133228	0.252152	0.065962
dlc3	0.000186	0.878424	0.214133	0.335981	0.000515	0.376911	0.732691	0.57765	0.569559	0.915163	0.005765	0.00019	0.000881	0.345796	0	0.870796	0.00291	0.01609	0.362406	0.278196
exc110	0.736547	0.038154	0.089154	0.74237	0.131623	0.628074	0.9547	0.92949	0.670157	0.99407	0.4241	0.332239	0.515892	0.576482	0.870796	0	0.73678	0.761054	1.139246	0.632844
saa	0.000129	0.300988	0.339258	0.529006	0.000678	0.730625	0.502223	0.808303	0.112308	0.331596	0.000818	0.003888	3.6E-07	0.378255	0.000291	0.73678	0	0.09247	0.640731	0.023741
iflg5	0.000129	0.300988	0.339258	0.529006	0.000678	0.730625	0.502223	0.808303	0.112308	0.331596	0.000818	0.003888	3.6E-07	0.378255	0.000291	0.73678	0	0.09247	0.640731	0.023741
iflg4	0.9427	0.024588	0.302145	0.769988	0.173205	0.17561	0.047815	0.522244	0.17561	0.047815	0.522244	0.17561	0.047815	0.522244	0.17561	0.047815	0.522244	0.17561	0.047815	0.522244
cellr	0.313238	0.050293	0.18262	0.960123	0.173205	0.823692	0.047815	0.763639	1.40E-05	0.089131	0.065962	0.073505	0.01503	0.107724	0.278196	0.632844	0.023741	0.64302	0.791922	0.043712
PRV3 dCt	0.017123	0.050293	0.711149	0.851625	0.053707	0.987636	0.316558	0.696287	0.321079	0.631323	0.000338	0.05945	0.00254	0.838089	0.004342	0.176618	0.002833	0.148299	0.070518	0.043712

1.1 Figures

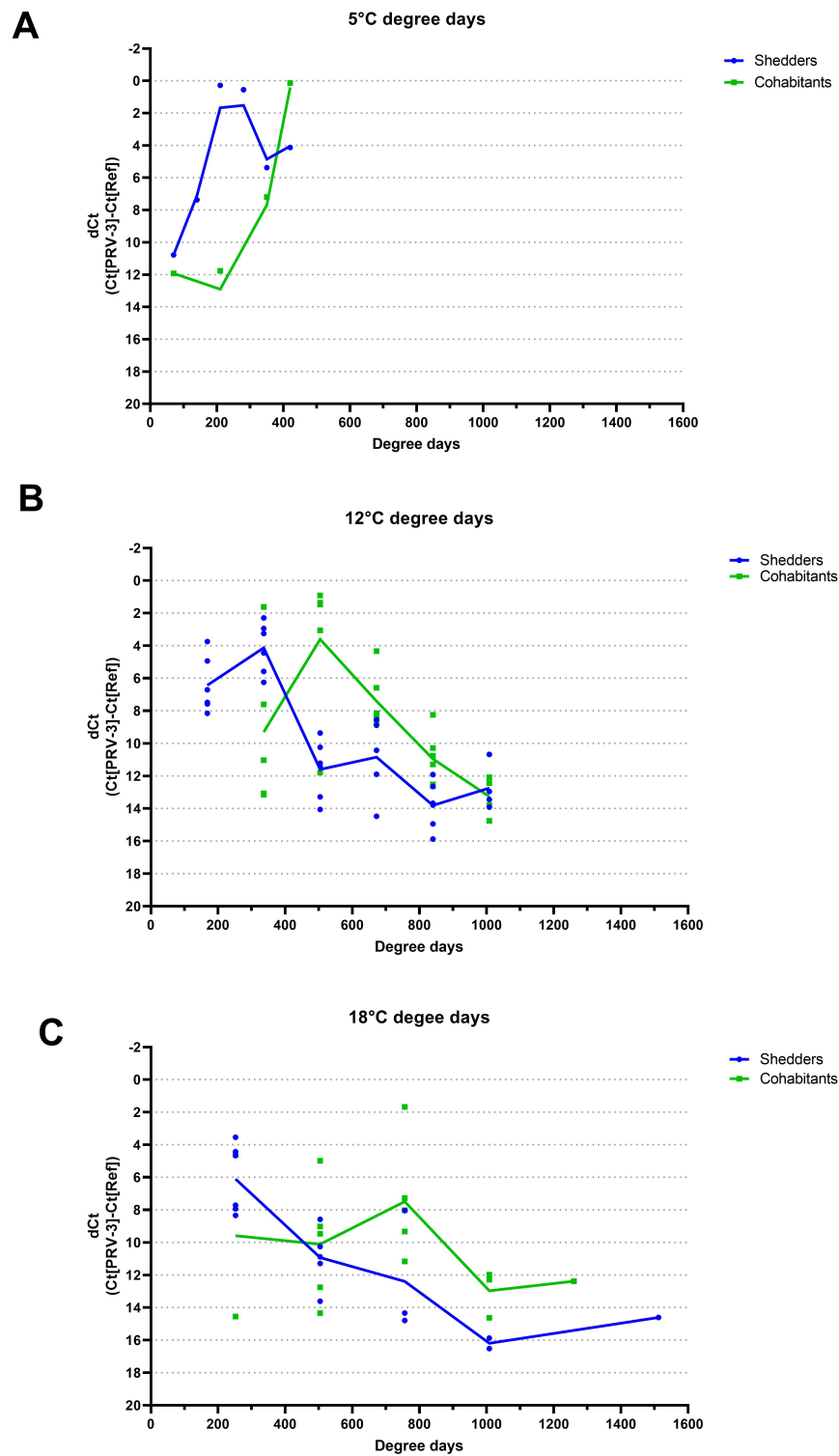


Figure S1. PRV-3 virus load across the trial shown as degree days. A) 5°C, B) 12°C, and C) 18°C, with green and blue representing cohabitants and shedders, respectively.

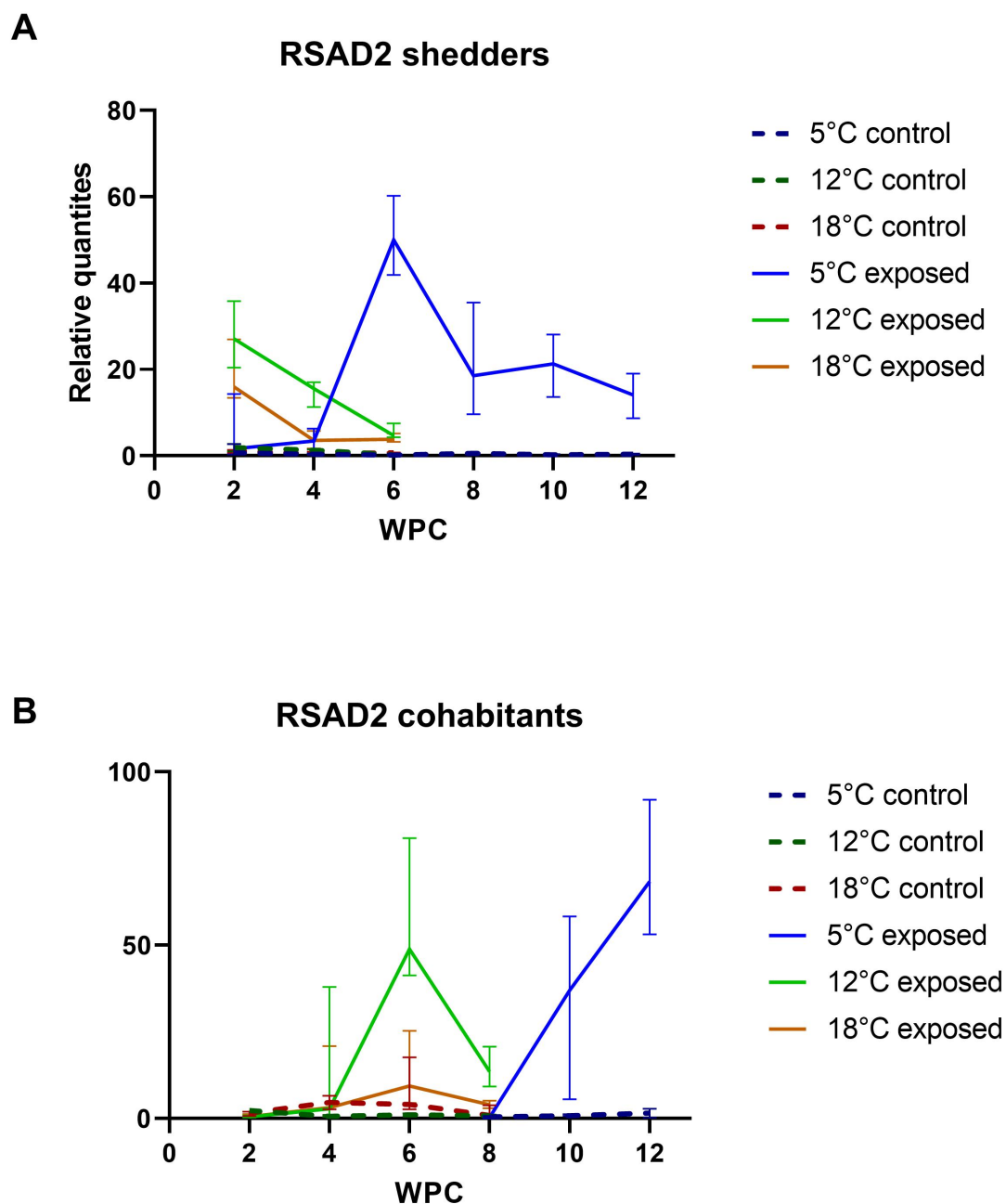


Figure S2. Relative quantities of *rsad2* (viperin) across the experiment in A) shedders and B) cohabitants. Blue: 5°C, green: 12°C, and orange: 18°C. Dotted line representing control fish, solid line representing PRV-3 exposed fish.

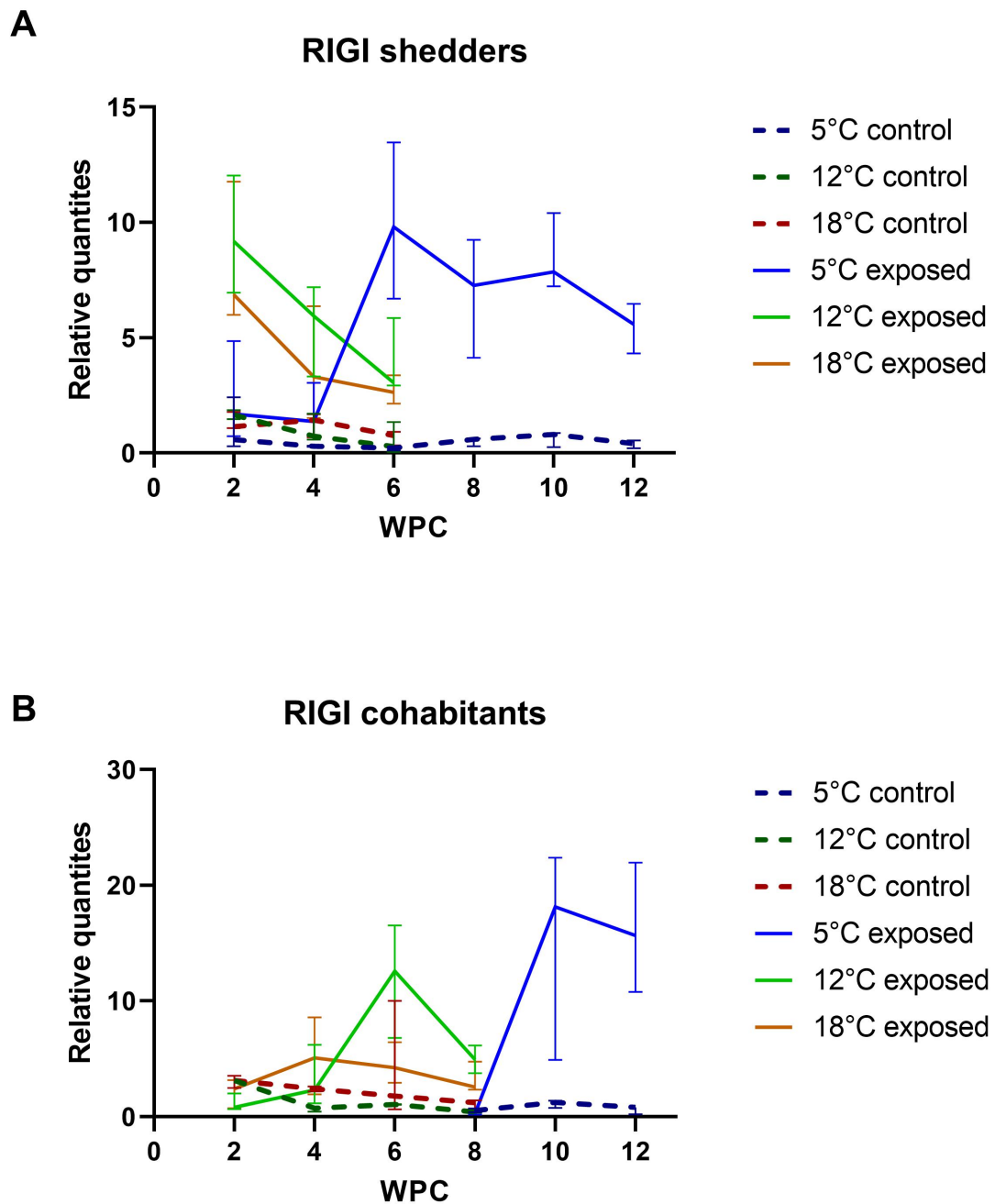


Figure S3. Relative quantities of *rigi* across the experiment in A) shedders and B) cohabitants. Blue: 5°C, green: 12°C, and orange: 18°C. Dotted line representing control fish, solid line representing PRV-3 exposed fish.

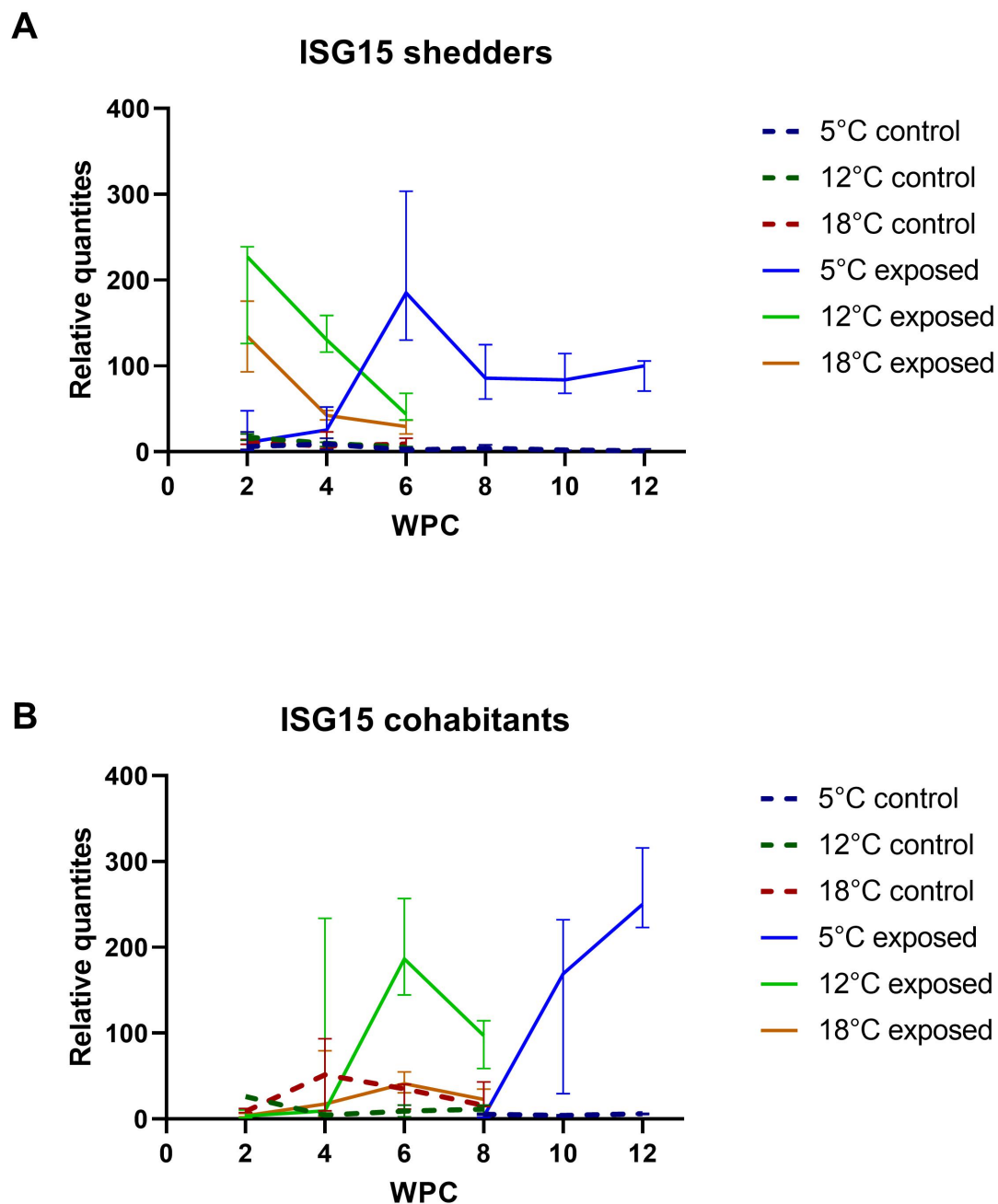


Figure S4. Relative quantities of *isg15* across the experiment in A) shedders and B) cohabitants. Blue: 5°C, green: 12°C, and orange: 18°C. Dotted line representing control fish, solid line representing PRV-3 exposed fish.

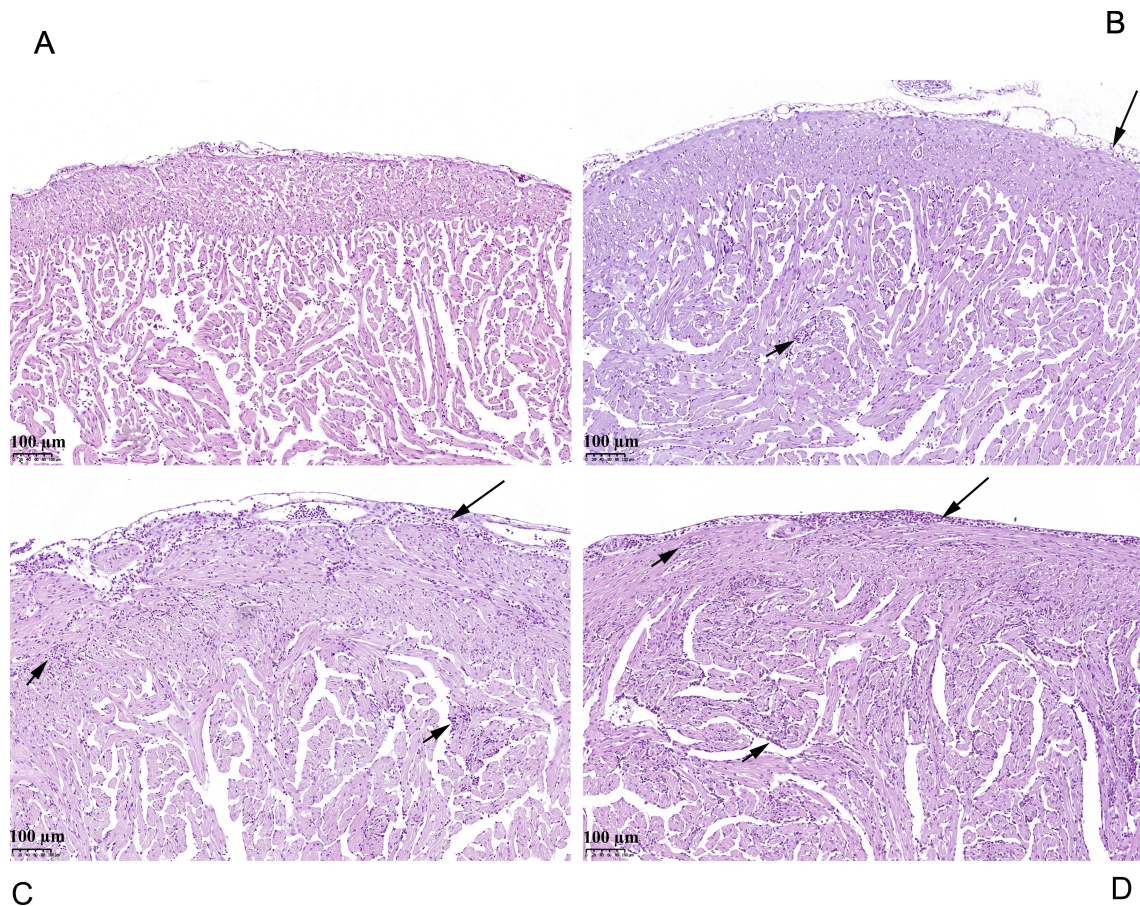


Figure S5. Histopathological scoring of the rainbow trout heart. A) no lesions, score 0; B) mild, score 1; C) moderate, score 1.5; D) severe, score 2. Epicarditis (long arrow) and inflammation in the stratum compactum (outer layer) and stratum spongiosum (internal layer) of the heart ventricle (short arrow) (H&E).