

Analysis Size

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Descriprives

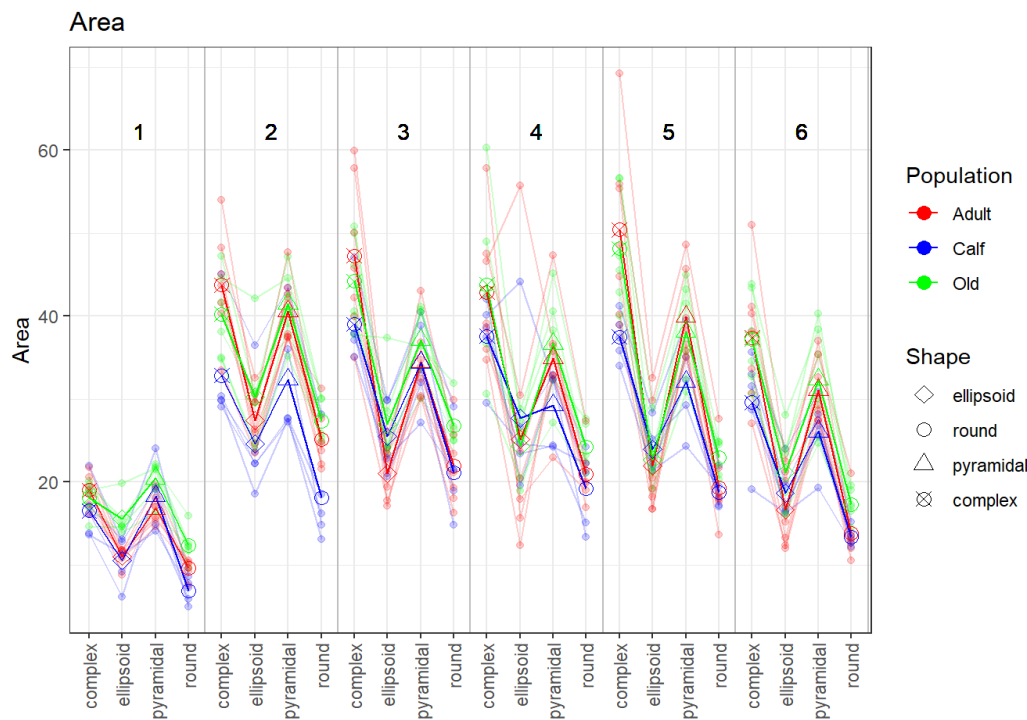
means by subject

Area

Population	Shape	Layer_ID	mean	sd
Adult	ellipsoid	1	11.04	1.06
Calf	ellipsoid	1	10.52	2.89
Old	ellipsoid	1	15.54	2.18
Adult	ellipsoid	2	27.44	3.25
Calf	ellipsoid	2	24.62	6.86
Old	ellipsoid	2	30.24	6.52
Adult	ellipsoid	3	21.03	3.20
Calf	ellipsoid	3	25.47	4.17
Old	ellipsoid	3	26.97	5.43
Adult	ellipsoid	4	25.16	14.69
Calf	ellipsoid	4	27.67	9.56
Old	ellipsoid	4	24.34	4.37
Adult	ellipsoid	5	21.96	6.48
Calf	ellipsoid	5	23.97	2.81
Old	ellipsoid	5	22.66	3.39
Adult	ellipsoid	6	16.65	4.47
Calf	ellipsoid	6	18.67	3.27
Old	ellipsoid	6	21.09	4.84
Adult	round	1	9.59	1.02
Calf	round	1	6.92	1.48
Old	round	1	12.37	2.01
Adult	round	2	25.14	3.35
Calf	round	2	18.15	5.94

Population	Shape	Layer_ID	mean	sd
Old	round	2	27.34	2.33
Adult	round	3	21.97	4.73
Calf	round	3	21.14	5.19
Old	round	3	26.78	2.62
Adult	round	4	20.98	3.27
Calf	round	4	19.20	4.72
Old	round	4	24.26	2.88
Adult	round	5	19.31	4.35
Calf	round	5	18.78	2.02
Old	round	5	22.91	2.06
Adult	round	6	13.80	3.36
Calf	round	6	13.35	1.16
Old	round	6	17.31	1.83
Adult	pyramidal	1	16.79	1.68
Calf	pyramidal	1	18.31	4.02
Old	pyramidal	1	20.47	2.25
Adult	pyramidal	2	40.58	4.06
Calf	pyramidal	2	32.40	7.17
Old	pyramidal	2	41.53	4.20
Adult	pyramidal	3	34.49	4.44
Calf	pyramidal	3	34.41	5.37
Old	pyramidal	3	37.10	4.51
Adult	pyramidal	4	34.96	7.19
Calf	pyramidal	4	29.26	4.53
Old	pyramidal	4	36.71	7.04
Adult	pyramidal	5	39.94	5.25
Calf	pyramidal	5	32.08	5.76
Old	pyramidal	5	38.14	5.91
Adult	pyramidal	6	31.10	3.92
Calf	pyramidal	6	26.13	4.27
Old	pyramidal	6	32.38	6.64
Adult	complex	1	19.00	1.88
Calf	complex	1	16.55	3.39
Old	complex	1	18.14	2.04
Adult	complex	2	43.76	6.44
Calf	complex	2	32.83	6.86
Old	complex	2	40.25	5.13
Adult	complex	3	47.25	9.23
Calf	complex	3	39.02	4.62
Old	complex	3	44.21	5.54
Adult	complex	4	42.90	8.23
Calf	complex	4	37.58	4.79
Old	complex	4	43.80	11.46
Adult	complex	5	50.42	10.66
Calf	complex	5	37.47	2.77
Old	complex	5	48.13	7.00

Population	Shape	Layer_ID	mean	sd
Adult	complex	6	37.41	7.90
Calf	complex	6	29.60	6.39
Old	complex	6	37.23	5.56

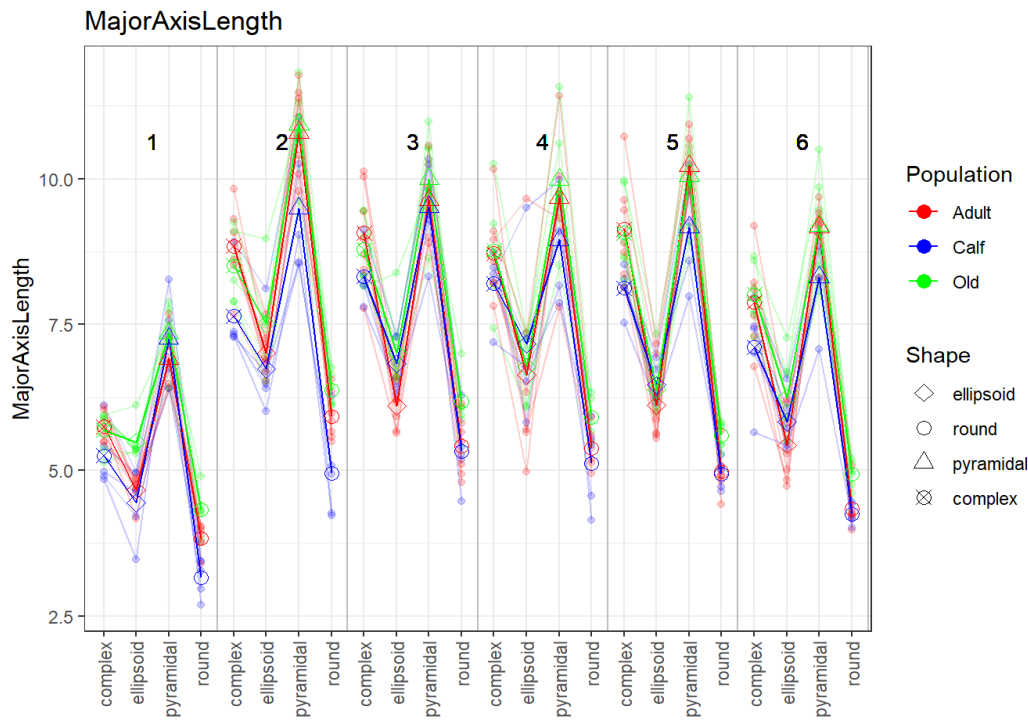


MajorAxisLength

Population	Shape	Layer_ID	mean	sd
Adult	ellipsoid	1	4.66	0.23
Calf	ellipsoid	1	4.44	0.63
Old	ellipsoid	1	5.49	0.31
Adult	ellipsoid	2	7.01	0.38
Calf	ellipsoid	2	6.74	0.81
Old	ellipsoid	2	7.51	0.83
Adult	ellipsoid	3	6.11	0.39
Calf	ellipsoid	3	6.83	0.46
Old	ellipsoid	3	7.02	0.72
Adult	ellipsoid	4	6.64	1.55
Calf	ellipsoid	4	7.17	1.40
Old	ellipsoid	4	6.77	0.63
Adult	ellipsoid	5	6.12	0.68
Calf	ellipsoid	5	6.46	0.35
Old	ellipsoid	5	6.39	0.48
Adult	ellipsoid	6	5.44	0.62
Calf	ellipsoid	6	5.83	0.49
Old	ellipsoid	6	6.25	0.73
Adult	round	1	3.83	0.22
Calf	round	1	3.16	0.33
Old	round	1	4.33	0.35
Adult	round	2	5.92	0.40
Calf	round	2	4.96	0.83
Old	round	2	6.38	0.28

Population	Shape	Layer_ID	mean	sd
Adult	round	3	5.42	0.49
Calf	round	3	5.32	0.65
Old	round	3	6.18	0.41
Adult	round	4	5.38	0.32
Calf	round	4	5.12	0.74
Old	round	4	5.91	0.37
Adult	round	5	4.98	0.37
Calf	round	5	4.94	0.26
Old	round	5	5.59	0.23
Adult	round	6	4.34	0.35
Calf	round	6	4.25	0.18
Old	round	6	4.94	0.22
Adult	pyramidal	1	6.92	0.44
Calf	pyramidal	1	7.26	0.73
Old	pyramidal	1	7.36	0.51
Adult	pyramidal	2	10.80	0.76
Calf	pyramidal	2	9.50	1.12
Old	pyramidal	2	10.93	0.74
Adult	pyramidal	3	9.64	0.57
Calf	pyramidal	3	9.52	0.82
Old	pyramidal	3	10.00	0.85
Adult	pyramidal	4	9.68	1.07
Calf	pyramidal	4	8.96	0.91
Old	pyramidal	4	9.99	1.16
Adult	pyramidal	5	10.23	0.43
Calf	pyramidal	5	9.17	0.90
Old	pyramidal	5	10.06	0.92
Adult	pyramidal	6	9.17	0.43
Calf	pyramidal	6	8.31	0.77
Old	pyramidal	6	9.19	0.91
Adult	complex	1	5.75	0.24
Calf	complex	1	5.25	0.53
Old	complex	1	5.69	0.35
Adult	complex	2	8.84	0.68
Calf	complex	2	7.65	0.71
Old	complex	2	8.51	0.59
Adult	complex	3	9.07	0.86
Calf	complex	3	8.33	0.48
Old	complex	3	8.79	0.59
Adult	complex	4	8.72	0.78
Calf	complex	4	8.20	0.60
Old	complex	4	8.77	1.07
Adult	complex	5	9.13	0.88
Calf	complex	5	8.13	0.37
Old	complex	5	9.07	0.72
Adult	complex	6	7.89	0.76

Population	Shape	Layer_ID	mean	sd
Calf	complex	6	7.11	0.88
Old	complex	6	8.02	0.55

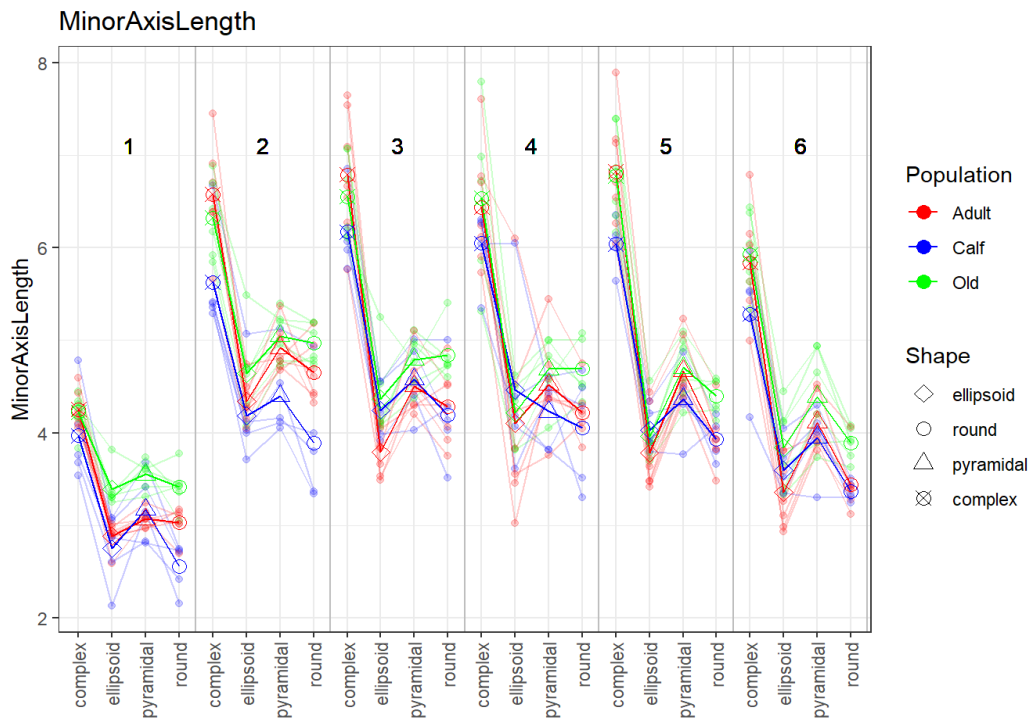


MinorAxisLength

Population	Shape	Layer_ID	mean	sd
Adult	ellipsoid	1	2.89	0.14
Calf	ellipsoid	1	2.75	0.39
Old	ellipsoid	1	3.39	0.21
Adult	ellipsoid	2	4.34	0.23
Calf	ellipsoid	2	4.19	0.52
Old	ellipsoid	2	4.65	0.48
Adult	ellipsoid	3	3.79	0.24
Calf	ellipsoid	3	4.25	0.30
Old	ellipsoid	3	4.36	0.47
Adult	ellipsoid	4	4.11	1.01
Calf	ellipsoid	4	4.46	0.93
Old	ellipsoid	4	4.22	0.38
Adult	ellipsoid	5	3.79	0.43
Calf	ellipsoid	5	4.03	0.23
Old	ellipsoid	5	3.96	0.31
Adult	ellipsoid	6	3.36	0.38
Calf	ellipsoid	6	3.60	0.30
Old	ellipsoid	6	3.85	0.45
Adult	round	1	3.03	0.16
Calf	round	1	2.55	0.26
Old	round	1	3.41	0.23
Adult	round	2	4.66	0.31
Calf	round	2	3.89	0.65
Old	round	2	4.97	0.21
Adult	round	3	4.28	0.40

Population	Shape	Layer_ID	mean	sd
Calf	round	3	4.19	0.54
Old	round	3	4.84	0.29
Adult	round	4	4.21	0.28
Calf	round	4	4.06	0.61
Old	round	4	4.69	0.33
Adult	round	5	3.93	0.31
Calf	round	5	3.93	0.22
Old	round	5	4.40	0.20
Adult	round	6	3.44	0.29
Calf	round	6	3.37	0.11
Old	round	6	3.89	0.17
Adult	pyramidal	1	3.07	0.09
Calf	pyramidal	1	3.17	0.38
Old	pyramidal	1	3.55	0.16
Adult	pyramidal	2	4.92	0.25
Calf	pyramidal	2	4.40	0.45
Old	pyramidal	2	5.05	0.27
Adult	pyramidal	3	4.51	0.31
Calf	pyramidal	3	4.58	0.39
Old	pyramidal	3	4.79	0.28
Adult	pyramidal	4	4.52	0.51
Calf	pyramidal	4	4.23	0.38
Old	pyramidal	4	4.69	0.39
Adult	pyramidal	5	4.67	0.33
Calf	pyramidal	5	4.37	0.40
Old	pyramidal	5	4.71	0.35
Adult	pyramidal	6	4.11	0.29
Calf	pyramidal	6	3.95	0.38
Old	pyramidal	6	4.39	0.53
Adult	complex	1	4.26	0.19
Calf	complex	1	3.97	0.50
Old	complex	1	4.22	0.22
Adult	complex	2	6.58	0.55
Calf	complex	2	5.63	0.59
Old	complex	2	6.32	0.42
Adult	complex	3	6.79	0.68
Calf	complex	3	6.17	0.41
Old	complex	3	6.55	0.46
Adult	complex	4	6.44	0.64
Calf	complex	4	6.05	0.41
Old	complex	4	6.54	0.97
Adult	complex	5	6.82	0.63
Calf	complex	5	6.04	0.26
Old	complex	5	6.78	0.53
Adult	complex	6	5.84	0.57
Calf	complex	6	5.28	0.68

Population	Shape	Layer_ID	mean	sd
Old	complex	6	5.93	0.43

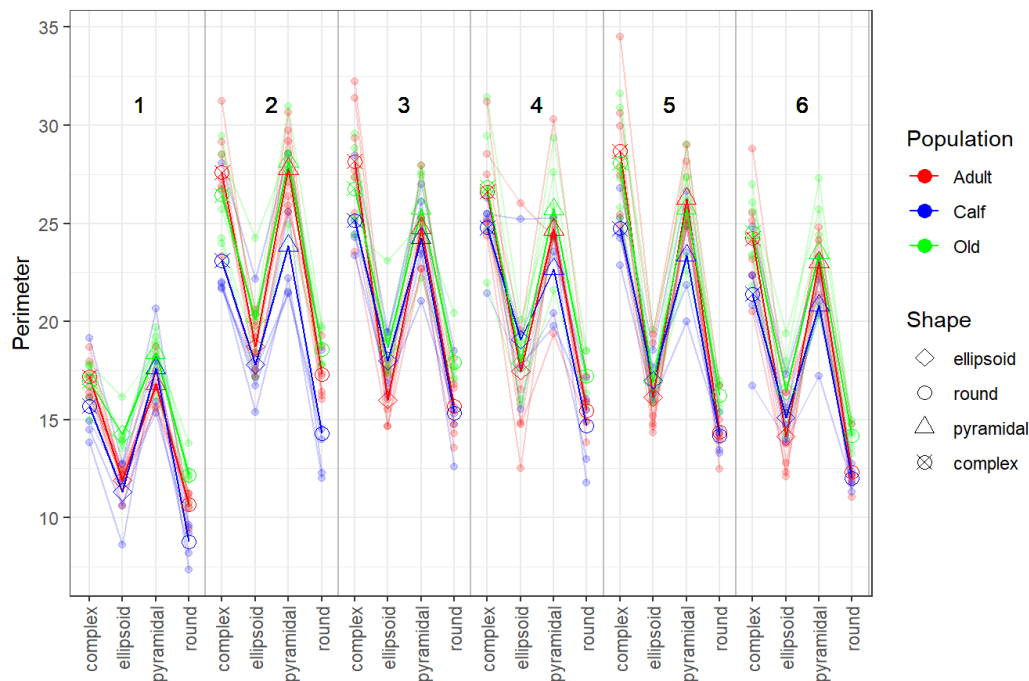


Perimeter

Population	Shape	Layer_ID	mean	sd
Adult	ellipsoid	1	11.89	0.63
Calf	ellipsoid	1	11.31	1.73
Old	ellipsoid	1	14.25	0.94
Adult	ellipsoid	2	18.71	1.22
Calf	ellipsoid	2	17.79	2.57
Old	ellipsoid	2	20.09	2.40
Adult	ellipsoid	3	16.00	1.15
Calf	ellipsoid	3	18.00	1.47
Old	ellipsoid	3	18.69	2.26
Adult	ellipsoid	4	17.47	4.44
Calf	ellipsoid	4	19.09	3.68
Old	ellipsoid	4	17.89	1.91
Adult	ellipsoid	5	16.14	2.09
Calf	ellipsoid	5	17.00	1.07
Old	ellipsoid	5	16.92	1.38
Adult	ellipsoid	6	14.14	1.86
Calf	ellipsoid	6	15.08	1.43
Old	ellipsoid	6	16.43	2.15
Adult	round	1	10.66	0.63
Calf	round	1	8.76	0.97
Old	round	1	12.17	0.98
Adult	round	2	17.30	1.25
Calf	round	2	14.27	2.61
Old	round	2	18.59	0.93
Adult	round	3	15.67	1.60
Calf	round	3	15.32	2.11

Population	Shape	Layer_ID	mean	sd
Old	round	3	17.93	1.25
Adult	round	4	15.44	1.07
Calf	round	4	14.68	2.22
Old	round	4	17.21	1.26
Adult	round	5	14.38	1.27
Calf	round	5	14.17	0.86
Old	round	5	16.21	0.69
Adult	round	6	12.32	1.16
Calf	round	6	12.00	0.55
Old	round	6	14.18	0.67
Adult	pyramidal	1	16.80	1.09
Calf	pyramidal	1	17.61	2.12
Old	pyramidal	1	18.39	1.26
Adult	pyramidal	2	27.79	2.04
Calf	pyramidal	2	23.86	3.12
Old	pyramidal	2	28.15	1.95
Adult	pyramidal	3	24.76	1.80
Calf	pyramidal	3	24.24	2.35
Old	pyramidal	3	25.76	2.29
Adult	pyramidal	4	24.70	3.18
Calf	pyramidal	4	22.67	2.44
Old	pyramidal	4	25.74	3.00
Adult	pyramidal	5	26.26	1.62
Calf	pyramidal	5	23.37	2.58
Old	pyramidal	5	25.77	2.54
Adult	pyramidal	6	23.04	1.15
Calf	pyramidal	6	20.81	2.29
Old	pyramidal	6	23.51	2.78
Adult	complex	1	17.16	0.89
Calf	complex	1	15.68	2.10
Old	complex	1	16.96	1.17
Adult	complex	2	27.59	2.45
Calf	complex	2	23.09	2.79
Old	complex	2	26.43	2.23
Adult	complex	3	28.16	3.09
Calf	complex	3	25.15	1.97
Old	complex	3	26.77	2.14
Adult	complex	4	26.62	2.56
Calf	complex	4	24.77	1.91
Old	complex	4	26.85	3.75
Adult	complex	5	28.67	3.34
Calf	complex	5	24.74	1.45
Old	complex	5	28.08	2.62
Adult	complex	6	24.23	2.65
Calf	complex	6	21.40	2.99
Old	complex	6	24.52	1.98

Perimeter

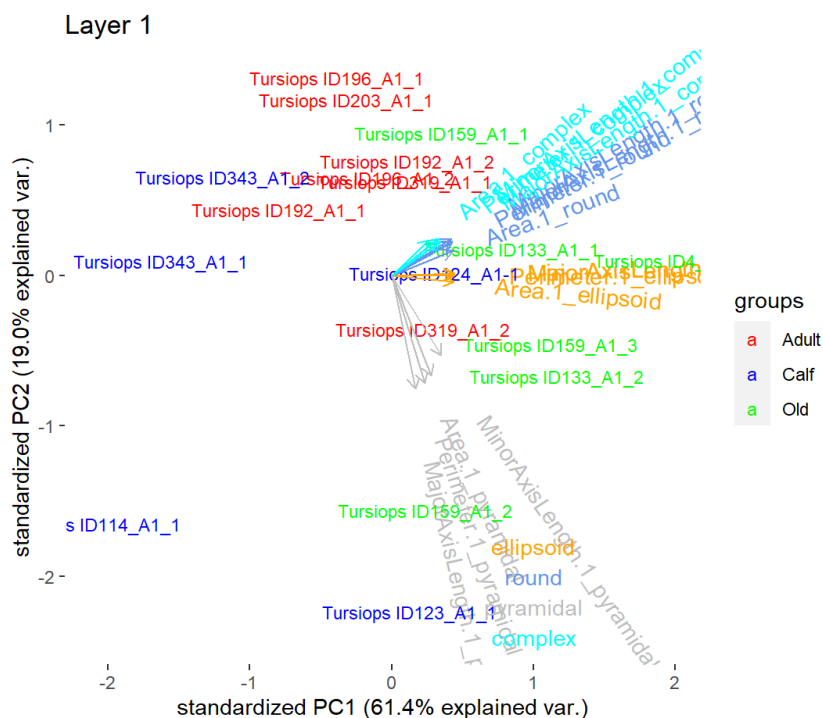


Radar Plot

Density

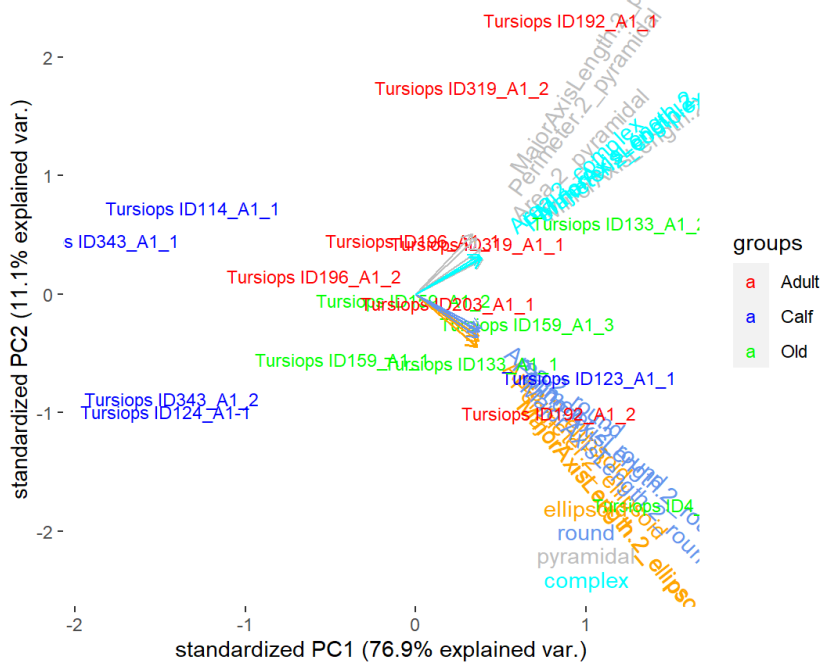
Principal Components

Layer 1

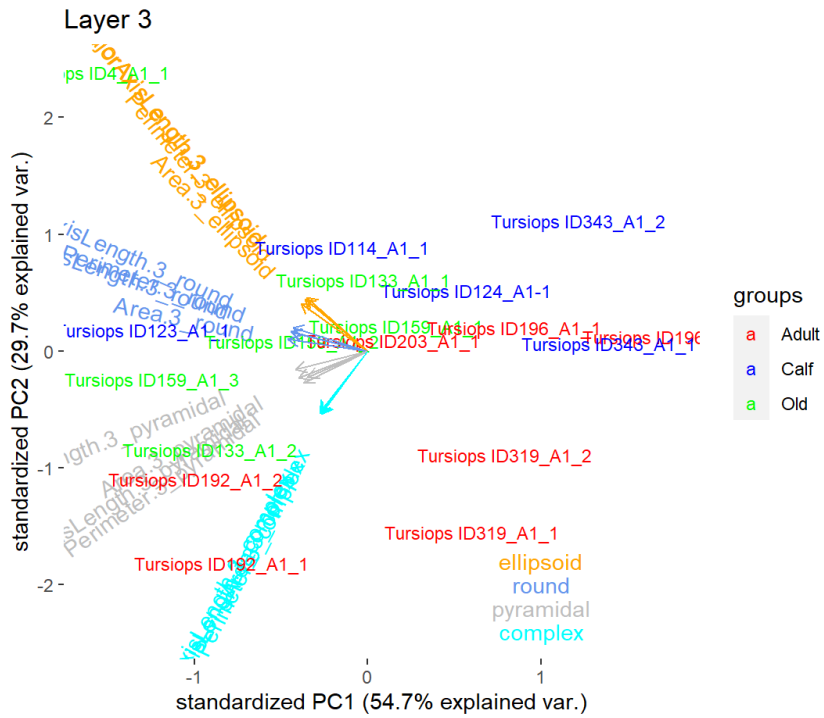


Layer 2

Layer 2

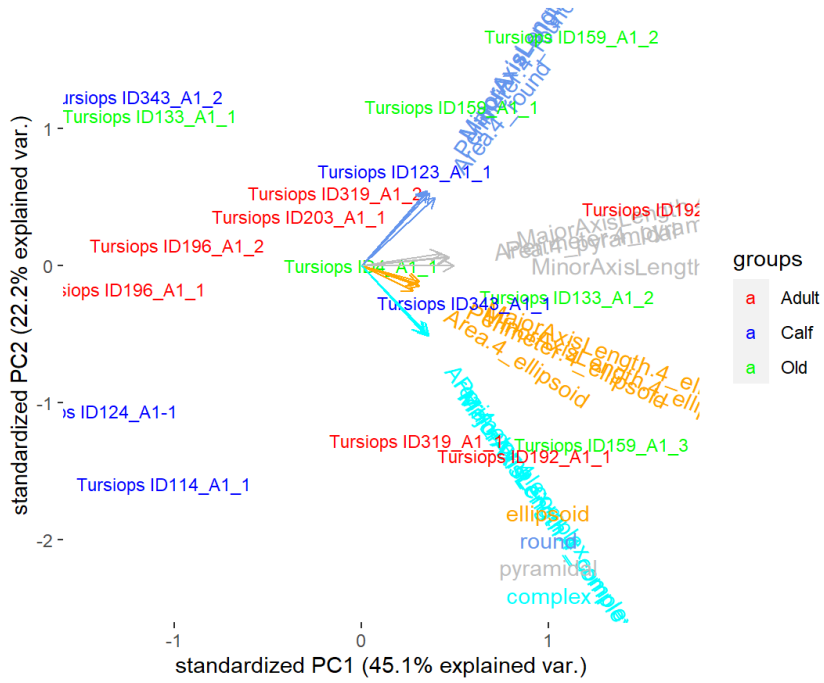


Layer 3

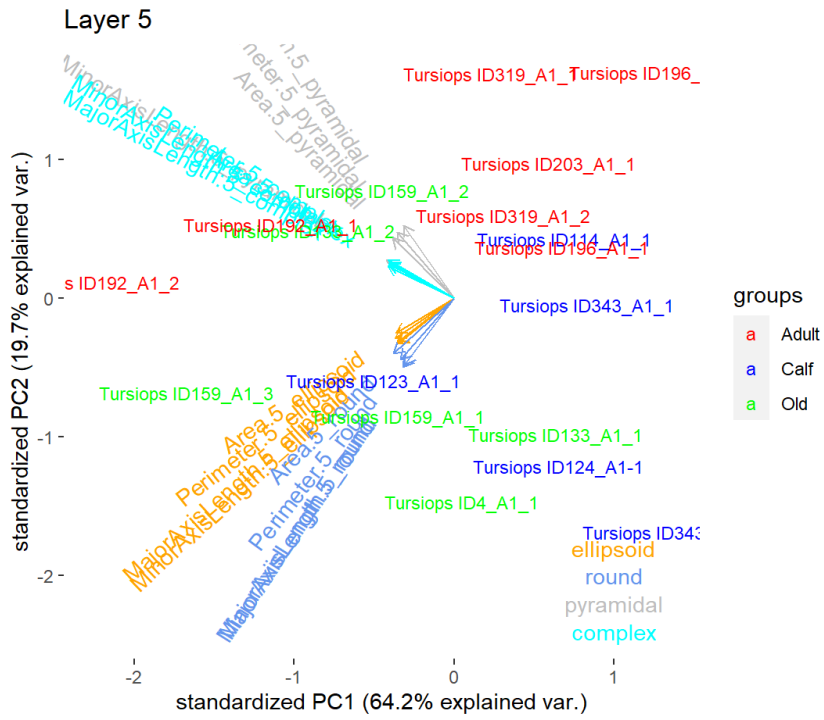


Layer 4

Layer 4

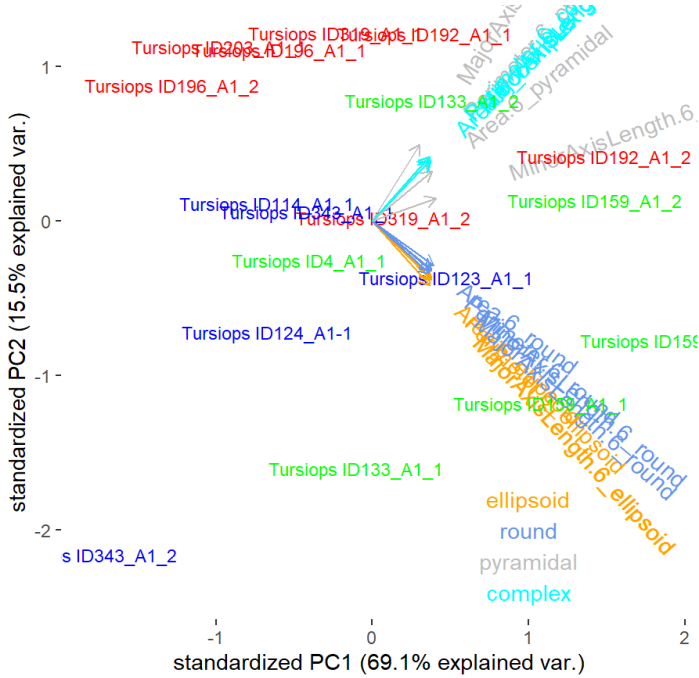


Layer 5



Layer 6

Layer 6



Inferential Analysis

Univariate

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FALSE MajorAxisLength.4_round_ _Population.Old.	t 2.2727 ><
FALSE MinorAxisLength.4_round_ _Population.Calf.	t -1.4702 ><
FALSE MinorAxisLength.4_round_ _Population.Old.	t 2.3021 ><
FALSE Perimeter.4_round_ _Population.Calf.	t -1.6596 ><
FALSE Perimeter.4_round_ _Population.Old.	t 2.3735 ><
FALSE Area.5_round_ _Population.Calf.	t -1.1634 ><
FALSE Area.5_round_ _Population.Old.	t 2.4089 ><
FALSE MajorAxisLength.5_round_ _Population.Calf.	t -1.4867 ><
FALSE MajorAxisLength.5_round_ _Population.Old.	t 4.1849 ><
FALSE MinorAxisLength.5_round_ _Population.Calf.	t -1.2264 ><
FALSE MinorAxisLength.5_round_ _Population.Old.	t 3.6707 ><
FALSE Perimeter.5_round_ _Population.Calf.	t -1.5284 ><
FALSE Perimeter.5_round_ _Population.Old.	t 3.8164 ><
FALSE Area.6_round_ _Population.Calf.	t -1.3412 ><
FALSE Area.6_round_ _Population.Old.	t 3.0143 ><
FALSE MajorAxisLength.6_round_ _Population.Calf.	t -1.7724 ><
FALSE MajorAxisLength.6_round_ _Population.Old.	t 4.6426 ><
FALSE MinorAxisLength.6_round_ _Population.Calf.	t -1.7827 ><
FALSE MinorAxisLength.6_round_ _Population.Old.	t 4.3087 ><
FALSE Perimeter.6_round_ _Population.Calf.	t -1.8191 ><
FALSE Perimeter.6_round_ _Population.Old.	t 4.5031 ><
FALSE Area.1_pyramidal_ _Population.Calf.	t -0.1096 ><
FALSE Area.1_pyramidal_ _Population.Old.	t 2.2185 ><
FALSE MajorAxisLength.1_pyramidal_ _Population.Calf.	t 0.4443 ><
FALSE MajorAxisLength.1_pyramidal_ _Population.Old.	t 1.0266 ><
FALSE MinorAxisLength.1_pyramidal_ _Population.Calf.	t -0.7171 ><
FALSE MinorAxisLength.1_pyramidal_ _Population.Old.	t 3.8761 ><
FALSE Perimeter.1_pyramidal_ _Population.Calf.	t 0.0837 ><
FALSE Perimeter.1_pyramidal_ _Population.Old.	t 1.6416 ><
FALSE Area.2_pyramidal_ _Population.Calf.	t -3.1978 ><
FALSE Area.2_pyramidal_ _Population.Old.	t 1.3942 ><
FALSE MajorAxisLength.2_pyramidal_ _Population.Calf.	t -3.0061 ><
FALSE MajorAxisLength.2_pyramidal_ _Population.Old.	t 1.3096 ><
FALSE MinorAxisLength.2_pyramidal_ _Population.Calf.	t -3.3915 ><
FALSE MinorAxisLength.2_pyramidal_ _Population.Old.	t 1.7490 ><
FALSE Perimeter.2_pyramidal_ _Population.Calf.	t -3.3121 ><
FALSE Perimeter.2_pyramidal_ _Population.Old.	t 1.3753 ><
FALSE Area.3_pyramidal_ _Population.Calf.	t -0.5010 ><
FALSE Area.3_pyramidal_ _Population.Old.	t 1.1223 ><
FALSE MajorAxisLength.3_pyramidal_ _Population.Calf.	t -0.7069 ><
FALSE MajorAxisLength.3_pyramidal_ _Population.Old.	t 1.0895 ><
FALSE MinorAxisLength.3_pyramidal_ _Population.Calf.	t -0.3136 ><
FALSE MinorAxisLength.3_pyramidal_ _Population.Old.	t 1.5641 ><
FALSE Perimeter.3_pyramidal_ _Population.Calf.	t -0.8587 ><
FALSE Perimeter.3_pyramidal_ _Population.Old.	t 1.1416 ><
FALSE Area.4_pyramidal_ _Population.Calf.	t -1.8866 ><
FALSE Area.4_pyramidal_ _Population.Old.	t 1.0738 ><
FALSE MajorAxisLength.4_pyramidal_ _Population.Calf.	t -1.5372 ><
FALSE MajorAxisLength.4_pyramidal_ _Population.Old.	t 1.0122 ><
FALSE MinorAxisLength.4_pyramidal_ _Population.Calf.	t -1.5429 ><
FALSE MinorAxisLength.4_pyramidal_ _Population.Old.	t 1.1294 ><
FALSE Perimeter.4_pyramidal_ _Population.Calf.	t -1.5926 ><
FALSE Perimeter.4_pyramidal_ _Population.Old.	t 1.1149 ><
FALSE Area.5_pyramidal_ _Population.Calf.	t -2.3573 ><
FALSE Area.5_pyramidal_ _Population.Old.	t 0.4489 ><
FALSE MajorAxisLength.5_pyramidal_ _Population.Calf.	t -2.4467 ><
FALSE MajorAxisLength.5_pyramidal_ _Population.Old.	t 0.6170 ><
FALSE MinorAxisLength.5_pyramidal_ _Population.Calf.	t -1.7088 ><
FALSE MinorAxisLength.5_pyramidal_ _Population.Old.	t 0.8454 ><
FALSE Perimeter.5_pyramidal_ _Population.Calf.	t -2.2640 ><
FALSE Perimeter.5_pyramidal_ _Population.Old.	t 0.5567 ><
FALSE Area.6_pyramidal_ _Population.Calf.	t -2.0745 ><
FALSE Area.6_pyramidal_ _Population.Old.	t 1.2148 ><
FALSE MajorAxisLength.6_pyramidal_ _Population.Calf.	t -2.3237 ><
FALSE MajorAxisLength.6_pyramidal_ _Population.Old.	t 0.9444 ><
FALSE MinorAxisLength.6_pyramidal_ _Population.Calf.	t -1.3006 ><
FALSE MinorAxisLength.6_pyramidal_ _Population.Old.	t 1.6818 ><
FALSE Perimeter.6_pyramidal_ _Population.Calf.	t -2.1779 ><
FALSE Perimeter.6_pyramidal_ _Population.Old.	t 1.1969 ><
FALSE Area.1_complex_ _Population.Calf.	t -1.5929 ><
FALSE Area.1_complex_ _Population.Old.	t 0.1175 ><
FALSE MajorAxisLength.1_complex_ _Population.Calf.	t -2.4008 ><
FALSE MajorAxisLength.1_complex_ _Population.Old.	t 0.6884 ><
FALSE MinorAxisLength.1_complex_ _Population.Calf.	t -1.6654 ><
FALSE MinorAxisLength.1_complex_ _Population.Old.	t 0.5293 ><
FALSE Perimeter.1_complex_ _Population.Calf.	t -1.8855 ><

FALSE Perimeter.1_complex_ _Population.Old.	t	0.5415	><
FALSE Area.2_complex_ _Population.Calf.	t	-2.7832	><
FALSE Area.2_complex_ _Population.Old.	t	0.2672	><
FALSE MajorAxisLength.2_complex_ _Population.Calf.	t	-2.9207	><
FALSE MajorAxisLength.2_complex_ _Population.Old.	t	0.3859	><
FALSE MinorAxisLength.2_complex_ _Population.Calf.	t	-2.9767	><
FALSE MinorAxisLength.2_complex_ _Population.Old.	t	0.4336	><
FALSE Perimeter.2_complex_ _Population.Calf.	t	-2.9799	><
FALSE Perimeter.2_complex_ _Population.Old.	t	0.4542	><
FALSE Area.3_complex_ _Population.Calf.	t	-1.8030	><
FALSE Area.3_complex_ _Population.Old.	t	0.0980	><
FALSE MajorAxisLength.3_complex_ _Population.Calf.	t	-1.6683	><
FALSE MajorAxisLength.3_complex_ _Population.Old.	t	0.0716	><
FALSE MinorAxisLength.3_complex_ _Population.Calf.	t	-1.7297	><
FALSE MinorAxisLength.3_complex_ _Population.Old.	t	0.0681	><
FALSE Perimeter.3_complex_ _Population.Calf.	t	-1.7310	><
FALSE Perimeter.3_complex_ _Population.Old.	t	-0.0973	><
FALSE Area.4_complex_ _Population.Calf.	t	-1.2790	><
FALSE Area.4_complex_ _Population.Old.	t	0.6402	><
FALSE MajorAxisLength.4_complex_ _Population.Calf.	t	-1.2559	><
FALSE MajorAxisLength.4_complex_ _Population.Old.	t	0.5542	><
FALSE MinorAxisLength.4_complex_ _Population.Calf.	t	-1.1733	><
FALSE MinorAxisLength.4_complex_ _Population.Old.	t	0.6527	><
FALSE Perimeter.4_complex_ _Population.Calf.	t	-1.3302	><
FALSE Perimeter.4_complex_ _Population.Old.	t	0.6239	><
FALSE Area.5_complex_ _Population.Calf.	t	-2.8076	><
FALSE Area.5_complex_ _Population.Old.	t	0.6332	><
FALSE MajorAxisLength.5_complex_ _Population.Calf.	t	-2.5835	><
FALSE MajorAxisLength.5_complex_ _Population.Old.	t	0.8403	><
FALSE MinorAxisLength.5_complex_ _Population.Calf.	t	-2.7822	><
FALSE MinorAxisLength.5_complex_ _Population.Old.	t	0.9014	><
FALSE Perimeter.5_complex_ _Population.Calf.	t	-2.5676	><
FALSE Perimeter.5_complex_ _Population.Old.	t	0.6571	><
FALSE Area.6_complex_ _Population.Calf.	t	-2.1642	><
FALSE Area.6_complex_ _Population.Old.	t	0.8068	><
FALSE MajorAxisLength.6_complex_ _Population.Calf.	t	-2.1569	><
FALSE MajorAxisLength.6_complex_ _Population.Old.	t	1.1207	><
FALSE MinorAxisLength.6_complex_ _Population.Calf.	t	-2.0275	><
FALSE MinorAxisLength.6_complex_ _Population.Old.	t	1.0421	><
FALSE Perimeter.6_complex_ _Population.Calf.	t	-2.2109	><
FALSE Perimeter.6_complex_ _Population.Old.	t	1.0387	><
FALSE	p-value	sig.	
FALSE Area.1_ellipsoid_ _Population.Calf.		0.1066	
FALSE Area.1_ellipsoid_ _Population.Old.		0.0002	***
FALSE MajorAxisLength.1_ellipsoid_ _Population.Calf.		0.0440	*
FALSE MajorAxisLength.1_ellipsoid_ _Population.Old.		0.0004	***
FALSE MinorAxisLength.1_ellipsoid_ _Population.Calf.		0.0470	*
FALSE MinorAxisLength.1_ellipsoid_ _Population.Old.		0.0004	***
FALSE Perimeter.1_ellipsoid_ _Population.Calf.		0.0492	*
FALSE Perimeter.1_ellipsoid_ _Population.Old.		0.0004	***
FALSE Area.2_ellipsoid_ _Population.Calf.		0.1806	
FALSE Area.2_ellipsoid_ _Population.Old.		0.1726	
FALSE MajorAxisLength.2_ellipsoid_ _Population.Calf.		0.1920	
FALSE MajorAxisLength.2_ellipsoid_ _Population.Old.		0.0824	
FALSE MinorAxisLength.2_ellipsoid_ _Population.Calf.		0.2056	
FALSE MinorAxisLength.2_ellipsoid_ _Population.Old.		0.0888	
FALSE Perimeter.2_ellipsoid_ _Population.Calf.		0.1836	
FALSE Perimeter.2_ellipsoid_ _Population.Old.		0.1052	
FALSE Area.3_ellipsoid_ _Population.Calf.		0.5232	
FALSE Area.3_ellipsoid_ _Population.Old.		0.0870	
FALSE MajorAxisLength.3_ellipsoid_ _Population.Calf.		0.4058	
FALSE MajorAxisLength.3_ellipsoid_ _Population.Old.		0.0530	
FALSE MinorAxisLength.3_ellipsoid_ _Population.Calf.		0.4108	
FALSE MinorAxisLength.3_ellipsoid_ _Population.Old.		0.0552	
FALSE Perimeter.3_ellipsoid_ _Population.Calf.		0.4876	
FALSE Perimeter.3_ellipsoid_ _Population.Old.		0.0500	*
FALSE Area.4_ellipsoid_ _Population.Calf.		0.6728	
FALSE Area.4_ellipsoid_ _Population.Old.		0.7888	
FALSE MajorAxisLength.4_ellipsoid_ _Population.Calf.		0.5014	
FALSE MajorAxisLength.4_ellipsoid_ _Population.Old.		0.9128	
FALSE MinorAxisLength.4_ellipsoid_ _Population.Calf.		0.5100	
FALSE MinorAxisLength.4_ellipsoid_ _Population.Old.		0.9470	
FALSE Perimeter.4_ellipsoid_ _Population.Calf.		0.4588	
FALSE Perimeter.4_ellipsoid_ _Population.Old.		0.8980	
FALSE Area.5_ellipsoid_ _Population.Calf.		0.5036	
FALSE Area.5_ellipsoid_ _Population.Old.		0.9572	
FALSE MajorAxisLength.5_ellipsoid_ _Population.Calf.		0.4560	
FALSE MajorAxisLength.5_ellipsoid_ _Population.Old.		0.6480	

FALSE MinorAxisLength.5_ellipsoid_|_Population.Calf. 0.3890
FALSE MinorAxisLength.5_ellipsoid_|_Population.Old. 0.6716
FALSE Perimeter.5_ellipsoid_|_Population.Calf. 0.5616
FALSE Perimeter.5_ellipsoid_|_Population.Old. 0.6226
FALSE Area.6_ellipsoid_|_Population.Calf. 0.9870
FALSE Area.6_ellipsoid_|_Population.Old. 0.1140
FALSE MajorAxisLength.6_ellipsoid_|_Population.Calf. 0.9518
FALSE MajorAxisLength.6_ellipsoid_|_Population.Old. 0.0556
FALSE MinorAxisLength.6_ellipsoid_|_Population.Calf. 0.9346
FALSE MinorAxisLength.6_ellipsoid_|_Population.Old. 0.0608
FALSE Perimeter.6_ellipsoid_|_Population.Calf. 0.9138
FALSE Perimeter.6_ellipsoid_|_Population.Old. 0.0546
FALSE Area.1_round_|_Population.Calf. 0.0004 ***
FALSE Area.1_round_|_Population.Old. 0.0006 ***
FALSE MajorAxisLength.1_round_|_Population.Calf. 0.0004 ***
FALSE MajorAxisLength.1_round_|_Population.Old. 0.0024 **
FALSE MinorAxisLength.1_round_|_Population.Calf. 0.0004 ***
FALSE MinorAxisLength.1_round_|_Population.Old. 0.0024 **
FALSE Perimeter.1_round_|_Population.Calf. 0.0004 ***
FALSE Perimeter.1_round_|_Population.Old. 0.0022 **
FALSE Area.2_round_|_Population.Calf. 0.0020 **
FALSE Area.2_round_|_Population.Old. 0.0572
FALSE MajorAxisLength.2_round_|_Population.Calf. 0.0018 **
FALSE MajorAxisLength.2_round_|_Population.Old. 0.0204 *
FALSE MinorAxisLength.2_round_|_Population.Calf. 0.0018 **
FALSE MinorAxisLength.2_round_|_Population.Old. 0.0276 *
FALSE Perimeter.2_round_|_Population.Calf. 0.0018 **
FALSE Perimeter.2_round_|_Population.Old. 0.0280 *
FALSE Area.3_round_|_Population.Calf. 0.2366
FALSE Area.3_round_|_Population.Old. 0.0272 *
FALSE MajorAxisLength.3_round_|_Population.Calf. 0.1816
FALSE MajorAxisLength.3_round_|_Population.Old. 0.0068 **
FALSE MinorAxisLength.3_round_|_Population.Calf. 0.1852
FALSE MinorAxisLength.3_round_|_Population.Old. 0.0104 *
FALSE Perimeter.3_round_|_Population.Calf. 0.1842
FALSE Perimeter.3_round_|_Population.Old. 0.0096 **
FALSE Area.4_round_|_Population.Calf. 0.1434
FALSE Area.4_round_|_Population.Old. 0.0650
FALSE MajorAxisLength.4_round_|_Population.Calf. 0.1000
FALSE MajorAxisLength.4_round_|_Population.Old. 0.0316 *
FALSE MinorAxisLength.4_round_|_Population.Calf. 0.1548
FALSE MinorAxisLength.4_round_|_Population.Old. 0.0316 *
FALSE Perimeter.4_round_|_Population.Calf. 0.1072
FALSE Perimeter.4_round_|_Population.Old. 0.0276 *
FALSE Area.5_round_|_Population.Calf. 0.2566
FALSE Area.5_round_|_Population.Old. 0.0214 *
FALSE MajorAxisLength.5_round_|_Population.Calf. 0.1494
FALSE MajorAxisLength.5_round_|_Population.Old. 0.0004 ***
FALSE MinorAxisLength.5_round_|_Population.Calf. 0.2248
FALSE MinorAxisLength.5_round_|_Population.Old. 0.0016 **
FALSE Perimeter.5_round_|_Population.Calf. 0.1422
FALSE Perimeter.5_round_|_Population.Old. 0.0012 **
FALSE Area.6_round_|_Population.Calf. 0.1880
FALSE Area.6_round_|_Population.Old. 0.0058 **
FALSE MajorAxisLength.6_round_|_Population.Calf. 0.0892
FALSE MajorAxisLength.6_round_|_Population.Old. 0.0008 ***
FALSE MinorAxisLength.6_round_|_Population.Calf. 0.0894
FALSE MinorAxisLength.6_round_|_Population.Old. 0.0014 **
FALSE Perimeter.6_round_|_Population.Calf. 0.0812
FALSE Perimeter.6_round_|_Population.Old. 0.0010 ***
FALSE Area.1_pyramidal_|_Population.Calf. 0.9100
FALSE Area.1_pyramidal_|_Population.Old. 0.0324 *
FALSE MajorAxisLength.1_pyramidal_|_Population.Calf. 0.6602
FALSE MajorAxisLength.1_pyramidal_|_Population.Old. 0.3012
FALSE MinorAxisLength.1_pyramidal_|_Population.Calf. 0.4718
FALSE MinorAxisLength.1_pyramidal_|_Population.Old. 0.0014 **
FALSE Perimeter.1_pyramidal_|_Population.Calf. 0.9384
FALSE Perimeter.1_pyramidal_|_Population.Old. 0.1082
FALSE Area.2_pyramidal_|_Population.Calf. 0.0056 **
FALSE Area.2_pyramidal_|_Population.Old. 0.1796
FALSE MajorAxisLength.2_pyramidal_|_Population.Calf. 0.0096 **
FALSE MajorAxisLength.2_pyramidal_|_Population.Old. 0.2018
FALSE MinorAxisLength.2_pyramidal_|_Population.Calf. 0.0044 **
FALSE MinorAxisLength.2_pyramidal_|_Population.Old. 0.0988
FALSE Perimeter.2_pyramidal_|_Population.Calf. 0.0058 **
FALSE Perimeter.2_pyramidal_|_Population.Old. 0.1856
FALSE Area.3_pyramidal_|_Population.Calf. 0.6084
FALSE Area.3_pyramidal_|_Population.Old. 0.2630

FALSE MajorAxisLength.3_pyramidal_|_Population.Calf. 0.4856
FALSE MajorAxisLength.3_pyramidal_|_Population.Old. 0.2714
FALSE MinorAxisLength.3_pyramidal_|_Population.Calf. 0.7394
FALSE MinorAxisLength.3_pyramidal_|_Population.Old. 0.1284
FALSE Perimeter.3_pyramidal_|_Population.Calf. 0.3982
FALSE Perimeter.3_pyramidal_|_Population.Old. 0.2516
FALSE Area.4_pyramidal_|_Population.Calf. 0.0720
FALSE Area.4_pyramidal_|_Population.Old. 0.2928
FALSE MajorAxisLength.4_pyramidal_|_Population.Calf. 0.1334
FALSE MajorAxisLength.4_pyramidal_|_Population.Old. 0.3122
FALSE MinorAxisLength.4_pyramidal_|_Population.Calf. 0.1352
FALSE MinorAxisLength.4_pyramidal_|_Population.Old. 0.2622
FALSE Perimeter.4_pyramidal_|_Population.Calf. 0.1242
FALSE Perimeter.4_pyramidal_|_Population.Old. 0.2678
FALSE Area.5_pyramidal_|_Population.Calf. 0.0318 *
FALSE Area.5_pyramidal_|_Population.Old. 0.6546
FALSE MajorAxisLength.5_pyramidal_|_Population.Calf. 0.0236 *
FALSE MajorAxisLength.5_pyramidal_|_Population.Old. 0.5416
FALSE MinorAxisLength.5_pyramidal_|_Population.Calf. 0.0934
FALSE MinorAxisLength.5_pyramidal_|_Population.Old. 0.3852
FALSE Perimeter.5_pyramidal_|_Population.Calf. 0.0380 *
FALSE Perimeter.5_pyramidal_|_Population.Old. 0.5764
FALSE Area.6_pyramidal_|_Population.Calf. 0.0512
FALSE Area.6_pyramidal_|_Population.Old. 0.2352
FALSE MajorAxisLength.6_pyramidal_|_Population.Calf. 0.0286 *
FALSE MajorAxisLength.6_pyramidal_|_Population.Old. 0.3532
FALSE MinorAxisLength.6_pyramidal_|_Population.Calf. 0.1952
FALSE MinorAxisLength.6_pyramidal_|_Population.Old. 0.1022
FALSE Perimeter.6_pyramidal_|_Population.Calf. 0.0412 *
FALSE Perimeter.6_pyramidal_|_Population.Old. 0.2438
FALSE Area.1_complex_|_Population.Calf. 0.1180
FALSE Area.1_complex_|_Population.Old. 0.9060
FALSE MajorAxisLength.1_complex_|_Population.Calf. 0.0242 *
FALSE MajorAxisLength.1_complex_|_Population.Old. 0.4908
FALSE MinorAxisLength.1_complex_|_Population.Calf. 0.1014
FALSE MinorAxisLength.1_complex_|_Population.Old. 0.5944
FALSE Perimeter.1_complex_|_Population.Calf. 0.0664
FALSE Perimeter.1_complex_|_Population.Old. 0.5848
FALSE Area.2_complex_|_Population.Calf. 0.0162 *
FALSE Area.2_complex_|_Population.Old. 0.7810
FALSE MajorAxisLength.2_complex_|_Population.Calf. 0.0116 *
FALSE MajorAxisLength.2_complex_|_Population.Old. 0.6960
FALSE MinorAxisLength.2_complex_|_Population.Calf. 0.0086 **
FALSE MinorAxisLength.2_complex_|_Population.Old. 0.6650
FALSE Perimeter.2_complex_|_Population.Calf. 0.0104 *
FALSE Perimeter.2_complex_|_Population.Old. 0.6518
FALSE Area.3_complex_|_Population.Calf. 0.0814
FALSE Area.3_complex_|_Population.Old. 0.9274
FALSE MajorAxisLength.3_complex_|_Population.Calf. 0.1102
FALSE MajorAxisLength.3_complex_|_Population.Old. 0.9380
FALSE MinorAxisLength.3_complex_|_Population.Calf. 0.0996
FALSE MinorAxisLength.3_complex_|_Population.Old. 0.9394
FALSE Perimeter.3_complex_|_Population.Calf. 0.0954
FALSE Perimeter.3_complex_|_Population.Old. 0.9228
FALSE Area.4_complex_|_Population.Calf. 0.2058
FALSE Area.4_complex_|_Population.Old. 0.5260
FALSE MajorAxisLength.4_complex_|_Population.Calf. 0.2162
FALSE MajorAxisLength.4_complex_|_Population.Old. 0.5784
FALSE MinorAxisLength.4_complex_|_Population.Calf. 0.2490
FALSE MinorAxisLength.4_complex_|_Population.Old. 0.5104
FALSE Perimeter.4_complex_|_Population.Calf. 0.1898
FALSE Perimeter.4_complex_|_Population.Old. 0.5262
FALSE Area.5_complex_|_Population.Calf. 0.0126 *
FALSE Area.5_complex_|_Population.Old. 0.5356
FALSE MajorAxisLength.5_complex_|_Population.Calf. 0.0178 *
FALSE MajorAxisLength.5_complex_|_Population.Old. 0.4064
FALSE MinorAxisLength.5_complex_|_Population.Calf. 0.0146 *
FALSE MinorAxisLength.5_complex_|_Population.Old. 0.3694
FALSE Perimeter.5_complex_|_Population.Calf. 0.0204 *
FALSE Perimeter.5_complex_|_Population.Old. 0.5108
FALSE Area.6_complex_|_Population.Calf. 0.0418 *
FALSE Area.6_complex_|_Population.Old. 0.4150
FALSE MajorAxisLength.6_complex_|_Population.Calf. 0.0404 *
FALSE MajorAxisLength.6_complex_|_Population.Old. 0.2698
FALSE MinorAxisLength.6_complex_|_Population.Calf. 0.0518
FALSE MinorAxisLength.6_complex_|_Population.Old. 0.3034
FALSE Perimeter.6_complex_|_Population.Calf. 0.0372 *
FALSE Perimeter.6_complex_|_Population.Old. 0.2982

Cobined by aspects

```
FALSE Call:
FALSE npc(permTP = res, subsets = ss_asp)
FALSE permutations.
FALSE
FALSE      comb.funct nVar  Stat p-value Adjust:maxT sig.
FALSE Area      Fisher  48 111.8 0.0084    0.0084  **
FALSE MajorAxisLength  Fisher  48 124.7 0.0008    0.0032  **
FALSE MinorAxisLength  Fisher  48 125.6 0.0022    0.0032  **
FALSE Perimeter      Fisher  48 122.8 0.0024    0.0036  **
```

Cobined by Shape and Layer

```
FALSE Call:
FALSE npc(permTP = res, subsets = ids)
FALSE permutations.
FALSE
FALSE      comb.funct nVar  Stat p-value Adjust:maxT sig.
FALSE ellipsoid_1  Fisher  8 43.421 0.0006    0.0060  **
FALSE ellipsoid_2  Fisher  8 15.565 0.1052    0.6018
FALSE ellipsoid_3  Fisher  8 14.429 0.1234    0.6204
FALSE ellipsoid_4  Fisher  8 3.030 0.8176    0.8788
FALSE ellipsoid_5  Fisher  8 4.342 0.6864    0.8788
FALSE ellipsoid_6  Fisher  8 10.989 0.2376    0.7082
FALSE round_1      Fisher  8 56.899 0.0002    0.0004  ***
FALSE round_2      Fisher  8 39.093 0.0010    0.0170  *
FALSE round_3      Fisher  8 24.333 0.0228    0.2338
FALSE round_4      Fisher  8 21.576 0.0372    0.3328
FALSE round_5      Fisher  8 31.536 0.0066    0.0786
FALSE round_6      Fisher  8 34.773 0.0036    0.0434  *
FALSE pyramidal_1  Fisher  8 14.749 0.1098    0.6200
FALSE pyramidal_2  Fisher  8 27.723 0.0102    0.1406
FALSE pyramidal_3  Fisher  8 8.514 0.3608    0.7598
FALSE pyramidal_4  Fisher  8 13.781 0.1372    0.6204
FALSE pyramidal_5  Fisher  8 15.378 0.1032    0.6018
FALSE pyramidal_6  Fisher  8 17.530 0.0692    0.4958
FALSE complex_1    Fisher  8 12.726 0.1650    0.6342
FALSE complex_2    Fisher  8 19.347 0.0554    0.4140
FALSE complex_3    Fisher  8 9.652 0.2938    0.7408
FALSE complex_4    Fisher  8 8.669 0.3432    0.7598
FALSE complex_5    Fisher  8 19.714 0.0470    0.4004
FALSE complex_6    Fisher  8 17.228 0.0728    0.5014
```

Cobined by Layer

```
FALSE Call:
FALSE npc(permTP = res, subsets = ss_Layers)
FALSE permutations.
FALSE
FALSE      comb.funct nVar  Stat p-value Adjust:maxT sig.
FALSE 1    Fisher  32 127.79 0.0002    0.0024  **
FALSE 2    Fisher  32 101.73 0.0074    0.0124  *
FALSE 3    Fisher  32 56.93 0.0646    0.0942
FALSE 4    Fisher  32 47.06 0.1150    0.1150
FALSE 5    Fisher  32 70.97 0.0298    0.0462  *
FALSE 6    Fisher  32 80.52 0.0172    0.0324  *
```

Pairwise comparisons

```

FALSE
FALSE ----- VARIABLE Area.1_ellipsoid -----
FALSE
FALSE ----- Layer 1 -----
FALSE      Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.691 0.001
FALSE      Calf  0.691  NA 0.002
FALSE      Old   0.002 0.002  NA
FALSE
FALSE ----- Layer 2 -----
FALSE      Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.372 0.365
FALSE      Calf  0.607  NA 0.202
FALSE      Old   0.607 0.607  NA
FALSE
FALSE ----- Layer 3 -----
FALSE      Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA 0.063 0.017
FALSE      Calf  0.063  NA 0.674
FALSE      Old   0.050 0.674  NA
FALSE
FALSE ----- Layer 4 -----
FALSE      Raw (upper)
FALSE Adjusted (lower) Adult Calf  Old
FALSE      Adult  NA 0.74 -0.958
FALSE      Calf   1  NA -0.596
FALSE      Old   1 1.00  NA
FALSE
FALSE ----- Layer 5 -----
FALSE      Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA 0.517 0.828
FALSE      Calf   1  NA -0.493
FALSE      Old   1 1.000  NA
FALSE
FALSE ----- Layer 6 -----
FALSE      Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA 0.412 0.117
FALSE      Calf  0.412  NA 0.404
FALSE      Old   0.350 0.404  NA
FALSE
FALSE ----- VARIABLE MajorAxisLength.1_ellipsoid -----
FALSE
FALSE ----- Layer 1 -----
FALSE      Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.443 0.001
FALSE      Calf  0.443  NA 0.000
FALSE      Old   0.001 0.001  NA
FALSE
FALSE ----- Layer 2 -----
FALSE      Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.459 0.172
FALSE      Calf  0.459  NA 0.145
FALSE      Old   0.436 0.436  NA
FALSE
FALSE ----- Layer 3 -----
FALSE      Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA 0.022 0.005
FALSE      Calf  0.022  NA 0.687
FALSE      Old   0.014 0.687  NA
FALSE
FALSE ----- Layer 4 -----
FALSE      Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA 0.538 0.842
FALSE      Calf   1  NA -0.638
FALSE      Old   1 1.000  NA
FALSE
FALSE ----- Layer 5 -----
FALSE      Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old

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FALSE      Adult   NA 0.316 0.426
FALSE      Calf   0.947  NA -0.794
FALSE      Old    0.947 0.947  NA
FALSE
FALSE      ----- Layer 6 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult   NA 0.265 0.059
FALSE      Calf   0.265  NA 0.307
FALSE      Old    0.176 0.307  NA
FALSE
FALSE      ----- VARIABLE MinorAxisLength.1_ellipsoid -----
FALSE
FALSE      ----- Layer 1 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult   NA -0.464 0.001
FALSE      Calf   0.464  NA 0.002
FALSE      Old    0.002 0.002  NA
FALSE
FALSE      ----- Layer 2 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult   NA -0.502 0.168
FALSE      Calf   0.502  NA 0.164
FALSE      Old    0.493 0.493  NA
FALSE
FALSE      ----- Layer 3 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult   NA 0.016 0.003
FALSE      Calf   0.016  NA 0.695
FALSE      Old    0.010 0.695  NA
FALSE
FALSE      ----- Layer 4 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult   NA 0.529 0.818
FALSE      Calf    1  NA -0.697
FALSE      Old     1 1.000  NA
FALSE
FALSE      ----- Layer 5 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult   NA 0.265 0.407
FALSE      Calf   0.796  NA -0.719
FALSE      Old    0.796 0.796  NA
FALSE
FALSE      ----- Layer 6 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult   NA 0.262 0.059
FALSE      Calf   0.262  NA 0.328
FALSE      Old    0.177 0.328  NA
FALSE
FALSE      ----- VARIABLE Perimeter.1_ellipsoid -----
FALSE
FALSE      ----- Layer 1 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf Old
FALSE      Adult   NA -0.456 0
FALSE      Calf   0.456  NA 0
FALSE      Old    0.001 0.001 NA
FALSE
FALSE      ----- Layer 2 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult   NA -0.409 0.202
FALSE      Calf   0.527  NA 0.176
FALSE      Old    0.527 0.527  NA
FALSE
FALSE      ----- Layer 3 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult   NA 0.031 0.007
FALSE      Calf   0.031  NA 0.650
FALSE      Old    0.020 0.650  NA
FALSE

```

```
FALSE ----- Layer 4 -----
FALSE           Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE           Adult  NA 0.522  0.834
FALSE           Calf   1   NA -0.586
FALSE           Old    1 1.000   NA
FALSE
FALSE ----- Layer 5 -----
FALSE           Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE           Adult  NA 0.402  0.453
FALSE           Calf   1   NA -0.911
FALSE           Old    1 1.000   NA
FALSE
FALSE ----- Layer 6 -----
FALSE           Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE           Adult  NA 0.352  0.072
FALSE           Calf  0.352  NA 0.256
FALSE           Old   0.217 0.256  NA
FALSE
FALSE ----- VARIABLE Area.1_round -----
FALSE
FALSE ----- Layer 1 -----
FALSE           Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE           Adult  NA -0.004 0.003
FALSE           Calf  0.008   NA 0.003
FALSE           Old   0.008 0.008  NA
FALSE
FALSE ----- Layer 2 -----
FALSE           Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE           Adult  NA -0.028 0.202
FALSE           Calf  0.050   NA 0.017
FALSE           Old   0.202 0.050  NA
FALSE
FALSE ----- Layer 3 -----
FALSE           Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE           Adult  NA -0.770 0.049
FALSE           Calf  0.770   NA 0.037
FALSE           Old   0.112 0.112  NA
FALSE
FALSE ----- Layer 4 -----
FALSE           Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE           Adult  NA -0.462 0.126
FALSE           Calf  0.462   NA 0.096
FALSE           Old   0.287 0.287  NA
FALSE
FALSE ----- Layer 5 -----
FALSE           Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE           Adult  NA -0.820 0.097
FALSE           Calf  0.820   NA 0.015
FALSE           Old   0.097 0.046  NA
FALSE
FALSE ----- Layer 6 -----
FALSE           Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE           Adult  NA -0.882 0.051
FALSE           Calf  0.882   NA 0.005
FALSE           Old   0.051 0.016  NA
FALSE
FALSE ----- VARIABLE MajorAxisLength.1_round -----
FALSE
FALSE ----- Layer 1 -----
FALSE           Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE           Adult  NA -0.003 0.005
FALSE           Calf  0.006   NA 0.002
FALSE           Old   0.006 0.006  NA
FALSE
FALSE ----- Layer 2 -----
FALSE           Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE           Adult  NA -0.024 0.048
```

```
FALSE      Calf 0.026  NA 0.009
FALSE      Old 0.048 0.026  NA
FALSE
FALSE      ----- Layer 3 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.770 0.011
FALSE      Calf 0.770  NA 0.029
FALSE      Old 0.034 0.034  NA
FALSE
FALSE      ----- Layer 4 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.425 0.041
FALSE      Calf 0.425  NA 0.071
FALSE      Old 0.122 0.122  NA
FALSE
FALSE      ----- Layer 5 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.837 0.008
FALSE      Calf 0.837  NA 0.006
FALSE      Old 0.017 0.017  NA
FALSE
FALSE      ----- Layer 6 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.73 0.007
FALSE      Calf 0.73  NA 0.003
FALSE      Old 0.01 0.01  NA
FALSE
FALSE      ----- VARIABLE MinorAxisLength.1_round -----
FALSE
FALSE      ----- Layer 1 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.006 0.004
FALSE      Calf 0.008  NA 0.003
FALSE      Old 0.008 0.008  NA
FALSE
FALSE      ----- Layer 2 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.023 0.068
FALSE      Calf 0.023  NA 0.007
FALSE      Old 0.068 0.020  NA
FALSE
FALSE      ----- Layer 3 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.736 0.019
FALSE      Calf 0.736  NA 0.029
FALSE      Old 0.056 0.056  NA
FALSE
FALSE      ----- Layer 4 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.546 0.041
FALSE      Calf 0.546  NA 0.096
FALSE      Old 0.123 0.123  NA
FALSE
FALSE      ----- Layer 5 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult Calf  Old
FALSE      Adult  NA 0.00 0.011
FALSE      Calf 0.000  NA 0.010
FALSE      Old 0.011 0.01  NA
FALSE
FALSE      ----- Layer 6 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.739 0.013
FALSE      Calf 0.739  NA 0.002
FALSE      Old 0.013 0.007  NA
FALSE
FALSE      ----- VARIABLE Perimeter.1_round -----
FALSE
FALSE      ----- Layer 1 -----
```

```
FALSE          Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE          Adult  NA -0.003 0.004
FALSE          Calf  0.007  NA 0.002
FALSE          Old   0.007 0.007  NA
FALSE
FALSE  ----- Layer 2 -----
FALSE          Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE          Adult  NA -0.024 0.070
FALSE          Calf  0.024  NA 0.008
FALSE          Old   0.070 0.023  NA
FALSE
FALSE  ----- Layer 3 -----
FALSE          Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE          Adult  NA -0.748 0.024
FALSE          Calf  0.748  NA 0.028
FALSE          Old   0.072 0.072  NA
FALSE
FALSE  ----- Layer 4 -----
FALSE          Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE          Adult  NA -0.441 0.038
FALSE          Calf  0.441  NA 0.066
FALSE          Old   0.113 0.113  NA
FALSE
FALSE  ----- Layer 5 -----
FALSE          Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE          Adult  NA -0.760 0.012
FALSE          Calf  0.760  NA 0.002
FALSE          Old   0.012 0.007  NA
FALSE
FALSE  ----- Layer 6 -----
FALSE          Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE          Adult  NA -0.703 0.009
FALSE          Calf  0.703  NA 0.000
FALSE          Old   0.009 0.001  NA
FALSE
FALSE  ----- VARIABLE Area.1_pyramidal -----
FALSE
FALSE  ----- Layer 1 -----
FALSE          Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE          Adult  NA 0.400 0.011
FALSE          Calf  0.400  NA 0.293
FALSE          Old   0.034 0.293  NA
FALSE
FALSE  ----- Layer 2 -----
FALSE          Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE          Adult  NA -0.030 0.677
FALSE          Calf  0.091  NA 0.036
FALSE          Old   0.677 0.091  NA
FALSE
FALSE  ----- Layer 3 -----
FALSE          Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE          Adult  NA -0.989 0.305
FALSE          Calf  0.989  NA 0.354
FALSE          Old   0.914 0.914  NA
FALSE
FALSE  ----- Layer 4 -----
FALSE          Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE          Adult  NA -0.146 0.735
FALSE          Calf  0.195  NA 0.065
FALSE          Old   0.735 0.195  NA
FALSE
FALSE  ----- Layer 5 -----
FALSE          Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE          Adult  NA -0.037 -0.576
FALSE          Calf  0.110  NA 0.120
FALSE          Old   0.576 0.120  NA
FALSE
```

```

FALSE ----- Layer 6 -----
FALSE           Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE           Adult  NA -0.064 0.663
FALSE           Calf  0.192  NA 0.113
FALSE           Old   0.663 0.192  NA
FALSE
FALSE ----- VARIABLE MajorAxisLength.1_pyramidal -----
FALSE
FALSE ----- Layer 1 -----
FALSE           Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE           Adult  NA 0.361 0.118
FALSE           Calf  0.361  NA 0.796
FALSE           Old   0.355 0.796  NA
FALSE
FALSE ----- Layer 2 -----
FALSE           Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE           Adult  NA -0.041 0.745
FALSE           Calf  0.114  NA 0.038
FALSE           Old   0.745 0.114  NA
FALSE
FALSE ----- Layer 3 -----
FALSE           Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE           Adult  NA -0.772 0.39
FALSE           Calf   1  NA 0.37
FALSE           Old    1 1.000  NA
FALSE
FALSE ----- Layer 4 -----
FALSE           Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE           Adult  NA -0.244 0.693
FALSE           Calf  0.421  NA 0.140
FALSE           Old   0.693 0.421  NA
FALSE
FALSE ----- Layer 5 -----
FALSE           Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE           Adult  NA -0.016 -0.670
FALSE           Calf  0.049  NA 0.139
FALSE           Old   0.670 0.139  NA
FALSE
FALSE ----- Layer 6 -----
FALSE           Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE           Adult  NA -0.027 0.952
FALSE           Calf  0.080  NA 0.128
FALSE           Old   0.952 0.128  NA
FALSE
FALSE ----- VARIABLE MinorAxisLength.1_pyramidal -----
FALSE
FALSE ----- Layer 1 -----
FALSE           Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE           Adult  NA 0.525 0.000
FALSE           Calf  0.525  NA 0.061
FALSE           Old   0.001 0.061  NA
FALSE
FALSE ----- Layer 2 -----
FALSE           Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE           Adult  NA -0.032 0.366
FALSE           Calf  0.060  NA 0.020
FALSE           Old   0.366 0.060  NA
FALSE
FALSE ----- Layer 3 -----
FALSE           Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE           Adult  NA 0.717 0.109
FALSE           Calf  0.717  NA 0.317
FALSE           Old   0.327 0.327  NA
FALSE
FALSE ----- Layer 4 -----
FALSE           Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE           Adult  NA -0.327 0.613

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```
FALSE      Calf 0.327  NA 0.101
FALSE      Old 0.613 0.302  NA
FALSE
FALSE      ----- Layer 5 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.185 0.864
FALSE      Calf  0.514  NA 0.171
FALSE      Old   0.864 0.514  NA
FALSE
FALSE      ----- Layer 6 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.447 0.263
FALSE      Calf  0.457  NA 0.152
FALSE      Old   0.457 0.457  NA
FALSE
FALSE      ----- VARIABLE Perimeter.1_pyramidal -----
FALSE
FALSE      ----- Layer 1 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA 0.426 0.035
FALSE      Calf  0.426  NA 0.469
FALSE      Old   0.104 0.469  NA
FALSE
FALSE      ----- Layer 2 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.025 0.737
FALSE      Calf  0.074  NA 0.026
FALSE      Old   0.737 0.074  NA
FALSE
FALSE      ----- Layer 3 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.668 0.430
FALSE      Calf  0.897  NA 0.299
FALSE      Old   0.897 0.897  NA
FALSE
FALSE      ----- Layer 4 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.252 0.621
FALSE      Calf  0.297  NA 0.099
FALSE      Old   0.621 0.297  NA
FALSE
FALSE      ----- Layer 5 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.037 -0.678
FALSE      Calf  0.110  NA 0.161
FALSE      Old   0.678 0.161  NA
FALSE
FALSE      ----- Layer 6 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.037 0.685
FALSE      Calf  0.110  NA 0.119
FALSE      Old   0.685 0.119  NA
FALSE
FALSE      ----- VARIABLE Area.1_complex -----
FALSE
FALSE      ----- Layer 1 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.141 -0.444
FALSE      Calf  0.422  NA 0.349
FALSE      Old   0.444 0.422  NA
FALSE
FALSE      ----- Layer 2 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.024 -0.305
FALSE      Calf  0.073  NA 0.074
FALSE      Old   0.305 0.074  NA
FALSE
FALSE      ----- Layer 3 -----
```

```
FALSE      Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.096 -0.482
FALSE      Calf  0.289  NA  0.119
FALSE      Old   0.482  0.289  NA
FALSE
FALSE      ----- Layer 4 -----
FALSE      Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.237 0.913
FALSE      Calf  0.710  NA  0.263
FALSE      Old   0.913  0.710  NA
FALSE
FALSE      ----- Layer 5 -----
FALSE      Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.020 -0.679
FALSE      Calf  0.028  NA  0.009
FALSE      Old   0.679  0.028  NA
FALSE
FALSE      ----- Layer 6 -----
FALSE      Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.102 -0.956
FALSE      Calf  0.191  NA  0.064
FALSE      Old   0.956  0.191  NA
FALSE
FALSE      ----- VARIABLE MajorAxisLength.1_complex -----
FALSE
FALSE      ----- Layer 1 -----
FALSE      Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.051 -0.725
FALSE      Calf  0.154  NA  0.147
FALSE      Old   0.725  0.154  NA
FALSE
FALSE      ----- Layer 2 -----
FALSE      Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.025 -0.349
FALSE      Calf  0.076  NA  0.070
FALSE      Old   0.349  0.076  NA
FALSE
FALSE      ----- Layer 3 -----
FALSE      Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.116 -0.497
FALSE      Calf  0.347  NA  0.191
FALSE      Old   0.497  0.347  NA
FALSE
FALSE      ----- Layer 4 -----
FALSE      Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.258 0.982
FALSE      Calf  0.773  NA  0.305
FALSE      Old   0.982  0.773  NA
FALSE
FALSE      ----- Layer 5 -----
FALSE      Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.031 -0.890
FALSE      Calf  0.052  NA  0.017
FALSE      Old   0.890  0.052  NA
FALSE
FALSE      ----- Layer 6 -----
FALSE      Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.136 0.750
FALSE      Calf  0.172  NA  0.057
FALSE      Old   0.750  0.172  NA
FALSE
FALSE      ----- VARIABLE MinorAxisLength.1_complex -----
FALSE
FALSE      ----- Layer 1 -----
FALSE      Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.193 -0.792
FALSE      Calf  0.580  NA  0.274
```

```
FALSE      Old  0.792 0.580  NA
FALSE
FALSE      ----- Layer 2 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.027 -0.376
FALSE      Calf  0.082  NA  0.058
FALSE      Old   0.376 0.082  NA
FALSE
FALSE      ----- Layer 3 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.099 -0.470
FALSE      Calf  0.297  NA  0.179
FALSE      Old   0.470 0.297  NA
FALSE
FALSE      ----- Layer 4 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.279 0.867
FALSE      Calf  0.838  NA  0.322
FALSE      Old   0.867 0.838  NA
FALSE
FALSE      ----- Layer 5 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.024 -0.880
FALSE      Calf  0.056  NA  0.019
FALSE      Old   0.880 0.056  NA
FALSE
FALSE      ----- Layer 6 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.155 0.763
FALSE      Calf  0.236  NA  0.079
FALSE      Old   0.763 0.236  NA
FALSE
FALSE      ----- VARIABLE Perimeter.1_complex -----
FALSE
FALSE      ----- Layer 1 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.132 -0.736
FALSE      Calf  0.395  NA  0.216
FALSE      Old   0.736 0.395  NA
FALSE
FALSE      ----- Layer 2 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.018 -0.396
FALSE      Calf  0.053  NA  0.067
FALSE      Old   0.396 0.067  NA
FALSE
FALSE      ----- Layer 3 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.089 -0.353
FALSE      Calf  0.266  NA  0.212
FALSE      Old   0.353 0.266  NA
FALSE
FALSE      ----- Layer 4 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.223 0.954
FALSE      Calf  0.668  NA  0.259
FALSE      Old   0.954 0.668  NA
FALSE
FALSE      ----- Layer 5 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.032 -0.747
FALSE      Calf  0.097  NA  0.034
FALSE      Old   0.747 0.097  NA
FALSE
FALSE      ----- Layer 6 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA -0.114 0.829
```

FALSE	Calf	0.188	NA	0.063
FALSE	Old	0.829	0.188	NA