

Analysis Density

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Descriprives

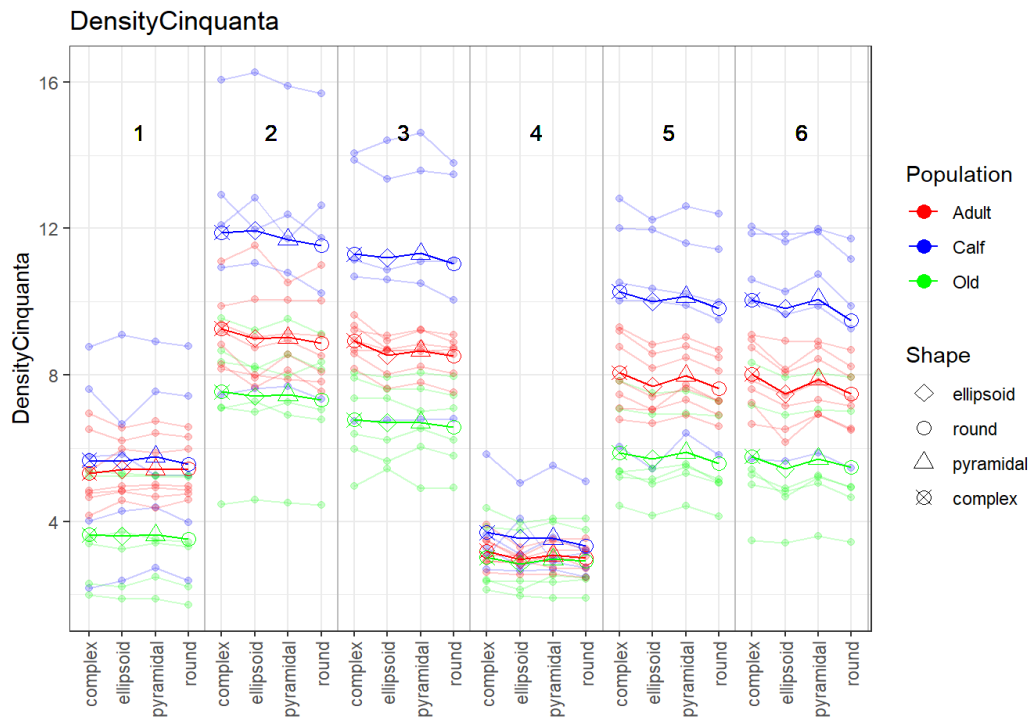
means by subject

Density 50

Population	Shape	Layer_ID	mean	sd
Adult	ellipsoid	1	5.42	0.80
Calf	ellipsoid	1	5.65	2.52
Old	ellipsoid	1	3.60	1.46
Adult	ellipsoid	2	9.00	1.39
Calf	ellipsoid	2	11.95	3.12
Old	ellipsoid	2	7.41	1.59
Adult	ellipsoid	3	8.53	0.52
Calf	ellipsoid	3	11.20	2.96
Old	ellipsoid	3	6.70	1.07
Adult	ellipsoid	4	2.96	0.23
Calf	ellipsoid	4	3.53	1.02
Old	ellipsoid	4	2.84	0.95
Adult	ellipsoid	5	7.68	0.84
Calf	ellipsoid	5	10.00	2.73
Old	ellipsoid	5	5.70	1.26
Adult	ellipsoid	6	7.49	0.97
Calf	ellipsoid	6	9.81	2.51
Old	ellipsoid	6	5.44	1.65
Adult	round	1	5.44	0.82
Calf	round	1	5.56	2.59
Old	round	1	3.53	1.47
Adult	round	2	8.86	1.25
Calf	round	2	11.53	3.07
Old	round	2	7.31	1.65

Population	Shape	Layer_ID	mean	sd
Adult	round	3	8.51	0.54
Calf	round	3	11.04	2.84
Old	round	3	6.57	1.13
Adult	round	4	2.99	0.37
Calf	round	4	3.33	1.02
Old	round	4	2.92	0.94
Adult	round	5	7.62	0.81
Calf	round	5	9.83	2.52
Old	round	5	5.59	1.22
Adult	round	6	7.48	0.84
Calf	round	6	9.50	2.46
Old	round	6	5.48	1.66
Adult	pyramidal	1	5.42	0.91
Calf	pyramidal	1	5.77	2.47
Old	pyramidal	1	3.63	1.39
Adult	pyramidal	2	9.03	0.97
Calf	pyramidal	2	11.70	2.96
Old	pyramidal	2	7.46	1.73
Adult	pyramidal	3	8.67	0.52
Calf	pyramidal	3	11.32	3.05
Old	pyramidal	3	6.70	1.14
Adult	pyramidal	4	3.08	0.36
Calf	pyramidal	4	3.53	1.16
Old	pyramidal	4	2.97	1.00
Adult	pyramidal	5	7.98	0.79
Calf	pyramidal	5	10.14	2.35
Old	pyramidal	5	5.89	1.16
Adult	pyramidal	6	7.87	0.85
Calf	pyramidal	6	10.08	2.51
Old	pyramidal	6	5.70	1.59
Adult	complex	1	5.32	1.03
Calf	complex	1	5.67	2.66
Old	complex	1	3.63	1.42
Adult	complex	2	9.26	1.01
Calf	complex	2	11.89	3.12
Old	complex	2	7.54	1.77
Adult	complex	3	8.94	0.51
Calf	complex	3	11.30	2.97
Old	complex	3	6.78	1.22
Adult	complex	4	3.19	0.45
Calf	complex	4	3.70	1.24
Old	complex	4	3.02	1.01
Adult	complex	5	8.06	1.02
Calf	complex	5	10.28	2.62
Old	complex	5	5.87	1.29
Adult	complex	6	8.02	0.93

Population	Shape	Layer_ID	mean	sd
Calf	complex	6	10.05	2.57
Old	complex	6	5.78	1.72

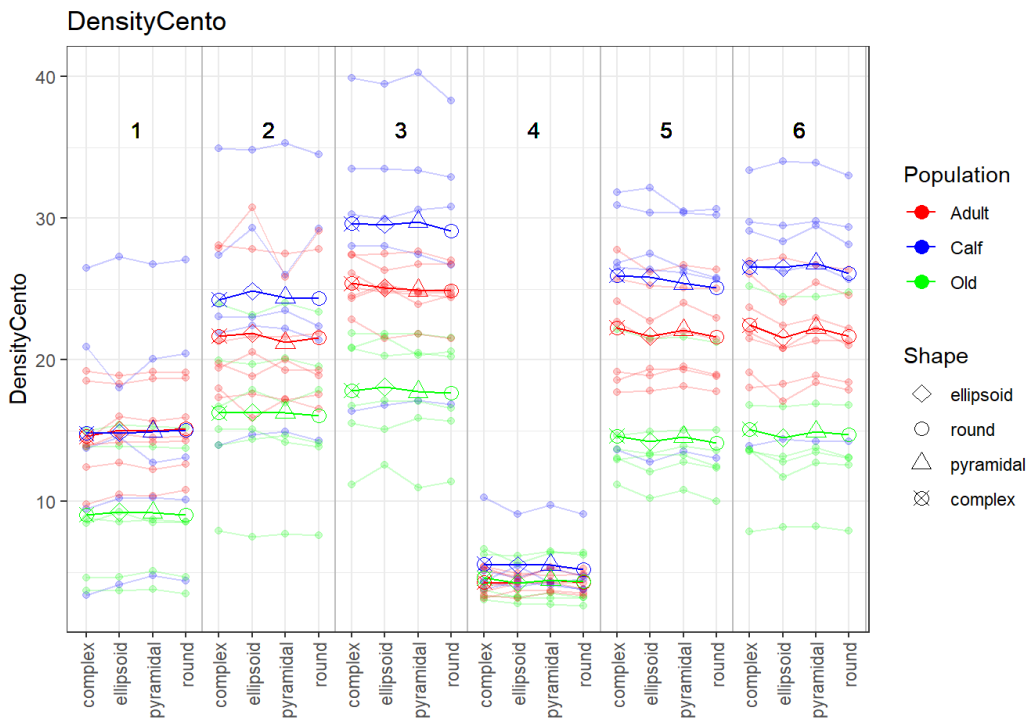


Density100

Population	Shape	Layer_ID	mean	sd
Adult	ellipsoid	1	15.06	2.97
Calf	ellipsoid	1	14.86	8.67
Old	ellipsoid	1	9.27	4.73
Adult	ellipsoid	2	21.87	5.47
Calf	ellipsoid	2	24.85	7.59
Old	ellipsoid	2	16.30	5.35
Adult	ellipsoid	3	25.07	1.83
Calf	ellipsoid	3	29.55	8.35
Old	ellipsoid	3	18.09	3.77
Adult	ellipsoid	4	4.26	0.61
Calf	ellipsoid	4	5.51	2.09
Old	ellipsoid	4	4.24	1.55
Adult	ellipsoid	5	21.68	3.22
Calf	ellipsoid	5	25.84	7.64
Old	ellipsoid	5	14.25	3.90
Adult	ellipsoid	6	21.55	3.45
Calf	ellipsoid	6	26.51	7.33
Old	ellipsoid	6	14.52	5.58
Adult	round	1	15.17	3.04
Calf	round	1	15.03	8.86
Old	round	1	9.06	4.71
Adult	round	2	21.59	4.98
Calf	round	2	24.36	7.76
Old	round	2	16.06	5.46
Adult	round	3	24.85	1.81

Population	Shape	Layer_ID	mean	sd
Calf	round	3	29.10	8.01
Old	round	3	17.69	3.87
Adult	round	4	4.29	0.73
Calf	round	4	5.19	2.24
Old	round	4	4.34	1.80
Adult	round	5	21.63	3.30
Calf	round	5	25.09	7.12
Old	round	5	14.13	3.85
Adult	round	6	21.69	3.05
Calf	round	6	26.09	7.13
Old	round	6	14.71	5.68
Adult	pyramidal	1	14.99	3.18
Calf	pyramidal	1	14.94	8.59
Old	pyramidal	1	9.23	4.59
Adult	pyramidal	2	21.23	4.05
Calf	pyramidal	2	24.40	7.36
Old	pyramidal	2	16.28	5.59
Adult	pyramidal	3	24.92	1.88
Calf	pyramidal	3	29.76	8.49
Old	pyramidal	3	17.76	4.01
Adult	pyramidal	4	4.48	0.69
Calf	pyramidal	4	5.55	2.40
Old	pyramidal	4	4.48	1.83
Adult	pyramidal	5	22.12	3.26
Calf	pyramidal	5	25.40	6.94
Old	pyramidal	5	14.59	3.73
Adult	pyramidal	6	22.27	3.09
Calf	pyramidal	6	26.82	7.48
Old	pyramidal	6	14.96	5.44
Adult	complex	1	14.60	3.29
Calf	complex	1	14.81	9.12
Old	complex	1	9.08	4.63
Adult	complex	2	21.68	4.49
Calf	complex	2	24.25	7.70
Old	complex	2	16.27	5.46
Adult	complex	3	25.40	1.69
Calf	complex	3	29.61	8.64
Old	complex	3	17.84	4.13
Adult	complex	4	4.32	0.97
Calf	complex	4	5.60	2.66
Old	complex	4	4.61	1.71
Adult	complex	5	22.27	3.87
Calf	complex	5	25.96	7.27
Old	complex	5	14.62	3.86
Adult	complex	6	22.47	3.34
Calf	complex	6	26.55	7.46

Population	Shape	Layer_ID	mean	sd
Old	complex	6	15.12	5.72

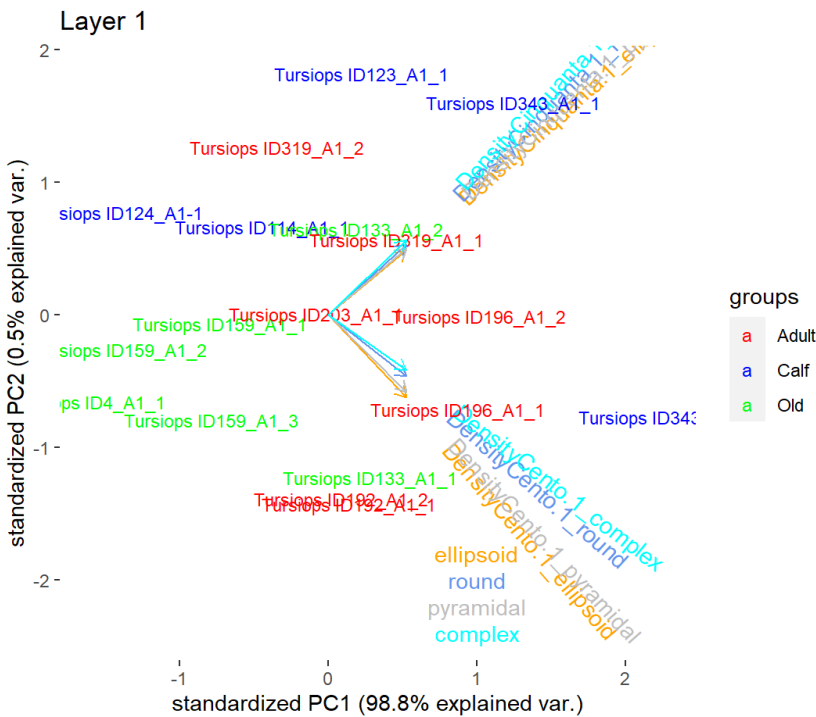


Radar Plot

Density

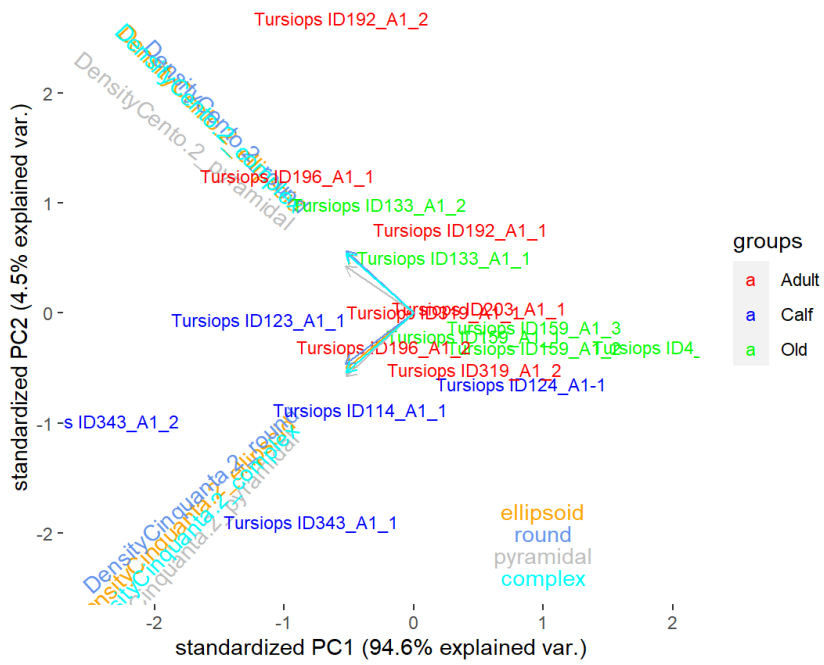
Principal Components

Layer 1

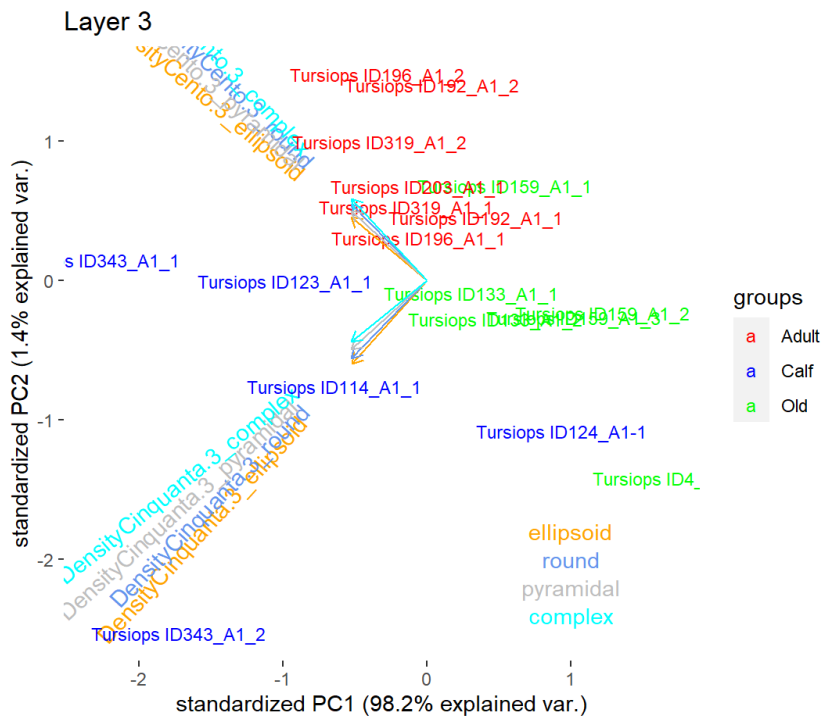


Layer 2

Layer 2

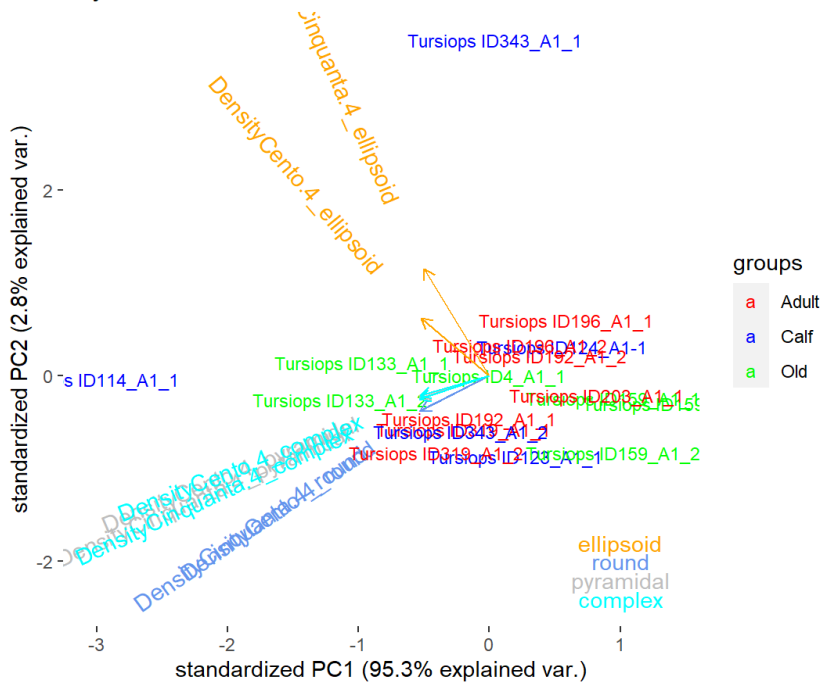


Layer 3

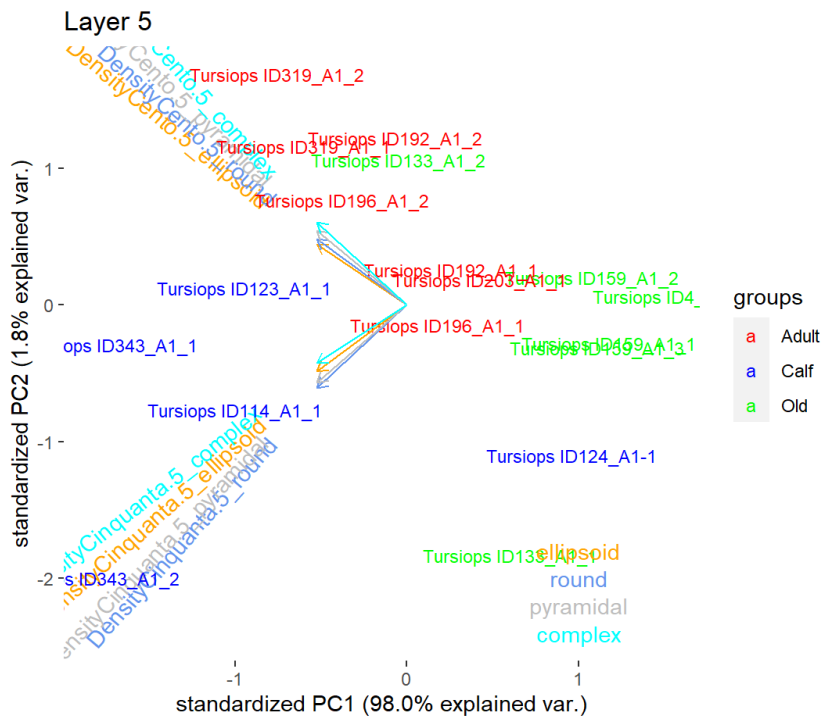


Layer 4

Layer 4

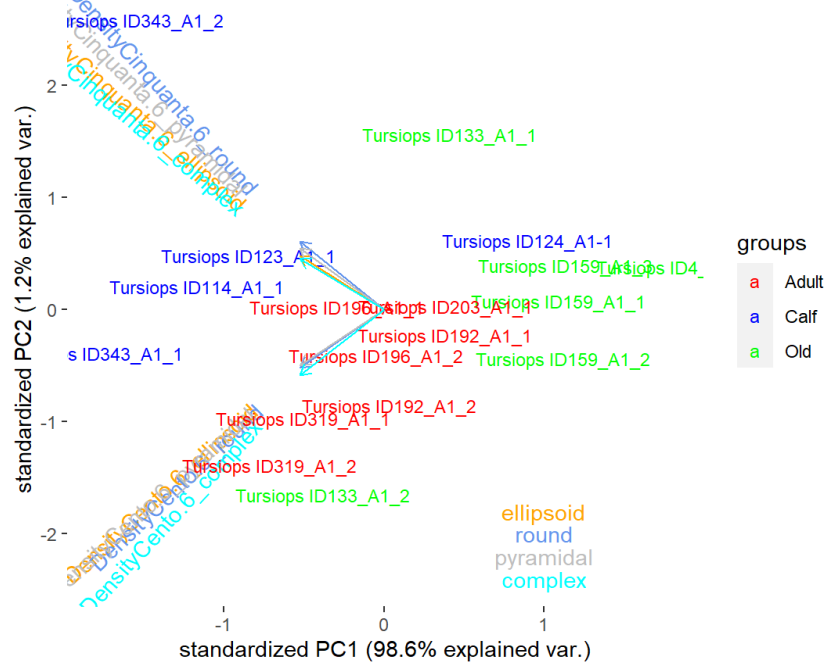


Layer 5



Layer 6

Layer 6



Inferential Analysis

Univariate

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FALSE DensityCento.2_complex_|_Population.Calf. 0.1342
FALSE DensityCento.2_complex_|_Population.Old. 0.0350 *
FALSE DensityCinquanta.3_complex_|_Population.Calf. 0.0044 **
FALSE DensityCinquanta.3_complex_|_Population.Old. 0.0054 **
FALSE DensityCento.3_complex_|_Population.Calf. 0.0280 *
FALSE DensityCento.3_complex_|_Population.Old. 0.0022 **
FALSE DensityCinquanta.4_complex_|_Population.Calf. 0.2260
FALSE DensityCinquanta.4_complex_|_Population.Old. 0.4638
FALSE DensityCento.4_complex_|_Population.Calf. 0.2204
FALSE DensityCento.4_complex_|_Population.Old. 0.8446
FALSE DensityCinquanta.5_complex_|_Population.Calf. 0.0060 **
FALSE DensityCinquanta.5_complex_|_Population.Old. 0.0058 **
FALSE DensityCento.5_complex_|_Population.Calf. 0.0374 *
FALSE DensityCento.5_complex_|_Population.Old. 0.0044 **
FALSE DensityCinquanta.6_complex_|_Population.Calf. 0.0120 *
FALSE DensityCinquanta.6_complex_|_Population.Old. 0.0054 **
FALSE DensityCento.6_complex_|_Population.Calf. 0.0396 *
FALSE DensityCento.6_complex_|_Population.Old. 0.0058 **

```

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 DensityCinquanta  Fisher 48 192.5 0.0008 0.0008 ***
FALSE DensityCento      Fisher 48 154.9 0.0034 0.0034 **

```

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   4  8.937 0.0676   0.1786
FALSE ellipsoid_2   Fisher   4 14.980 0.0062   0.0284  *
FALSE ellipsoid_3   Fisher   4 20.670 0.0002   0.0044  **
FALSE ellipsoid_4   Fisher   4  6.044 0.1858   0.2750
FALSE ellipsoid_5   Fisher   4 19.124 0.0012   0.0082  **
FALSE ellipsoid_6   Fisher   4 18.926 0.0016   0.0086  **
FALSE round_1       Fisher   4  9.149 0.0646   0.1692
FALSE round_2       Fisher   4 14.553 0.0070   0.0318  *
FALSE round_3       Fisher   4 21.445 0.0002   0.0020  **
FALSE round_4       Fisher   4  2.992 0.5512   0.5512
FALSE round_5       Fisher   4 19.553 0.0010   0.0066  **
FALSE round_6       Fisher   4 17.861 0.0020   0.0110  *
FALSE pyramidal_1   Fisher   4  9.440 0.0568   0.1542
FALSE pyramidal_2   Fisher   4 15.293 0.0044   0.0254  *
FALSE pyramidal_3   Fisher   4 20.573 0.0006   0.0046  **
FALSE pyramidal_4   Fisher   4  3.853 0.4172   0.4646
FALSE pyramidal_5   Fisher   4 20.168 0.0008   0.0048  **
FALSE pyramidal_6   Fisher   4 19.118 0.0016   0.0082  **
FALSE complex_1     Fisher   4  8.364 0.0844   0.2036
FALSE complex_2     Fisher   4 15.085 0.0048   0.0274  *
FALSE complex_3     Fisher   4 20.342 0.0004   0.0048  **
FALSE complex_4     Fisher   4  3.937 0.3988   0.4646
FALSE complex_5     Fisher   4 18.978 0.0012   0.0086  **
FALSE complex_6     Fisher   4 18.023 0.0018   0.0102  *
```

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   16 35.89 0.0664   0.1212
FALSE 2   Fisher   16 59.91 0.0050   0.0176  *
FALSE 3   Fisher   16 83.03 0.0002   0.0014  **
FALSE 4   Fisher   16 16.83 0.3588   0.3588
FALSE 5   Fisher   16 77.82 0.0010   0.0034  **
FALSE 6   Fisher   16 73.93 0.0020   0.0058  **
```

Pairwise comparisons

```

FALSE
FALSE ----- VARIABLE DensityCinquanta.1_ellipsoid -----
FALSE
FALSE ----- Layer 1 -----
FALSE      Raw (upper)
FALSE Adjusted (lower) Adult Calf  Old
FALSE      Adult  NA 0.83 -0.021
FALSE      Calf  0.830 NA -0.130
FALSE      Old   0.064 0.13  NA
FALSE
FALSE ----- Layer 2 -----
FALSE      Raw (upper)
FALSE Adjusted (lower) Adult Calf  Old
FALSE      Adult  NA 0.047 -0.077
FALSE      Calf  0.047 NA -0.011
FALSE      Old   0.077 0.033  NA
FALSE
FALSE ----- Layer 3 -----
FALSE      Raw (upper)
FALSE Adjusted (lower) Adult Calf  Old
FALSE      Adult  NA 0.037 -0.002
FALSE      Calf  0.037 NA -0.010
FALSE      Old   0.005 0.010  NA
FALSE
FALSE ----- Layer 4 -----
FALSE      Raw (upper)
FALSE Adjusted (lower) Adult Calf  Old
FALSE      Adult  NA 0.173 -0.813
FALSE      Calf  0.518 NA -0.277
FALSE      Old   0.813 0.518  NA
FALSE
FALSE ----- Layer 5 -----
FALSE      Raw (upper)
FALSE Adjusted (lower) Adult Calf  Old
FALSE      Adult  NA 0.066 -0.01
FALSE      Calf  0.066 NA -0.01
FALSE      Old   0.029 0.029  NA
FALSE
FALSE ----- Layer 6 -----
FALSE      Raw (upper)
FALSE Adjusted (lower) Adult Calf  Old
FALSE      Adult  NA 0.052 -0.022
FALSE      Calf  0.052 NA -0.012
FALSE      Old   0.035 0.035  NA
FALSE
FALSE ----- VARIABLE DensityCento.1_ellipsoid -----
FALSE
FALSE ----- Layer 1 -----
FALSE      Raw (upper)
FALSE Adjusted (lower) Adult Calf  Old
FALSE      Adult  NA -0.947 -0.022
FALSE      Calf  0.947  NA -0.204
FALSE      Old   0.066 0.204  NA
FALSE
FALSE ----- Layer 2 -----
FALSE      Raw (upper)
FALSE Adjusted (lower) Adult Calf  Old
FALSE      Adult  NA 0.454 -0.100
FALSE      Calf  0.454 NA -0.056
FALSE      Old   0.167 0.167  NA
FALSE
FALSE ----- Layer 3 -----
FALSE      Raw (upper)
FALSE Adjusted (lower) Adult Calf  Old
FALSE      Adult  NA 0.196 -0.002
FALSE      Calf  0.196 NA -0.015
FALSE      Old   0.005 0.015  NA
FALSE
FALSE ----- Layer 4 -----
FALSE      Raw (upper)
FALSE Adjusted (lower) Adult Calf  Old
FALSE      Adult  NA 0.109 0.932
FALSE      Calf  0.328 NA -0.306
FALSE      Old   0.932 0.328  NA
FALSE
FALSE ----- Layer 5 -----
FALSE      Raw (upper)
FALSE Adjusted (lower) Adult Calf  Old

```

```
FALSE      Adult   NA 0.209 -0.007
FALSE      Calf   0.209  NA -0.019
FALSE      Old    0.021 0.021  NA
FALSE
FALSE      ----- Layer 6 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult Calf Old
FALSE      Adult   NA 0.149 -0.015
FALSE      Calf   0.149  NA -0.017
FALSE      Old    0.045 0.045  NA
FALSE
FALSE      ----- VARIABLE DensityCinquanta.1_round -----
FALSE
FALSE      ----- Layer 1 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult Calf Old
FALSE      Adult   NA 0.887 -0.019
FALSE      Calf   0.887  NA -0.137
FALSE      Old    0.056 0.137  NA
FALSE
FALSE      ----- Layer 2 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult Calf Old
FALSE      Adult   NA 0.062 -0.077
FALSE      Calf   0.062  NA -0.012
FALSE      Old    0.077 0.037  NA
FALSE
FALSE      ----- Layer 3 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult Calf Old
FALSE      Adult   NA 0.039 -0.001
FALSE      Calf   0.039  NA -0.008
FALSE      Old    0.002 0.008  NA
FALSE
FALSE      ----- Layer 4 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult Calf Old
FALSE      Adult   NA 0.525 -0.884
FALSE      Calf    1  NA -0.504
FALSE      Old     1 1.000  NA
FALSE
FALSE      ----- Layer 5 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult Calf Old
FALSE      Adult   NA 0.052 -0.009
FALSE      Calf   0.052  NA -0.010
FALSE      Old    0.026 0.026  NA
FALSE
FALSE      ----- Layer 6 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult Calf Old
FALSE      Adult   NA 0.073 -0.016
FALSE      Calf   0.073  NA -0.021
FALSE      Old    0.049 0.049  NA
FALSE
FALSE      ----- VARIABLE DensityCento.1_round -----
FALSE
FALSE      ----- Layer 1 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult Calf Old
FALSE      Adult   NA -0.972 -0.017
FALSE      Calf   0.972  NA -0.190
FALSE      Old    0.050 0.190  NA
FALSE
FALSE      ----- Layer 2 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult Calf Old
FALSE      Adult   NA 0.465 -0.094
FALSE      Calf   0.465  NA -0.069
FALSE      Old    0.206 0.206  NA
FALSE
FALSE      ----- Layer 3 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult Calf Old
FALSE      Adult   NA 0.208 -0.002
FALSE      Calf   0.208  NA -0.013
FALSE      Old    0.005 0.013  NA
FALSE
```

```

FALSE ----- Layer 4 -----
FALSE           Raw (upper)
FALSE Adjusted (lower) Adult Calf Old
FALSE      Adult  NA 0.4 0.887
FALSE      Calf   1  NA -0.550
FALSE      Old    1 1.0  NA
FALSE
FALSE ----- Layer 5 -----
FALSE           Raw (upper)
FALSE Adjusted (lower) Adult Calf Old
FALSE      Adult  NA 0.272 -0.006
FALSE      Calf   0.272  NA -0.019
FALSE      Old    0.017 0.019  NA
FALSE
FALSE ----- Layer 6 -----
FALSE           Raw (upper)
FALSE Adjusted (lower) Adult Calf Old
FALSE      Adult  NA 0.177 -0.018
FALSE      Calf   0.177  NA -0.022
FALSE      Old    0.053 0.053  NA
FALSE
FALSE ----- VARIABLE DensityCinquanta.1_pyramidal -----
FALSE
FALSE ----- Layer 1 -----
FALSE           Raw (upper)
FALSE Adjusted (lower) Adult Calf Old
FALSE      Adult  NA 0.735 -0.021
FALSE      Calf   0.735  NA -0.100
FALSE      Old    0.062 0.100  NA
FALSE
FALSE ----- Layer 2 -----
FALSE           Raw (upper)
FALSE Adjusted (lower) Adult Calf Old
FALSE      Adult  NA 0.037 -0.056
FALSE      Calf   0.037  NA -0.011
FALSE      Old    0.056 0.033  NA
FALSE
FALSE ----- Layer 3 -----
FALSE           Raw (upper)
FALSE Adjusted (lower) Adult Calf Old
FALSE      Adult  NA 0.038 -0.001
FALSE      Calf   0.038  NA -0.011
FALSE      Old    0.004 0.011  NA
FALSE
FALSE ----- Layer 4 -----
FALSE           Raw (upper)
FALSE Adjusted (lower) Adult Calf Old
FALSE      Adult  NA 0.429 -0.836
FALSE      Calf   1  NA -0.434
FALSE      Old    1 1.000  NA
FALSE
FALSE ----- Layer 5 -----
FALSE           Raw (upper)
FALSE Adjusted (lower) Adult Calf Old
FALSE      Adult  NA 0.043 -0.005
FALSE      Calf   0.043  NA -0.008
FALSE      Old    0.015 0.015  NA
FALSE
FALSE ----- Layer 6 -----
FALSE           Raw (upper)
FALSE Adjusted (lower) Adult Calf Old
FALSE      Adult  NA 0.062 -0.013
FALSE      Calf   0.062  NA -0.008
FALSE      Old    0.025 0.025  NA
FALSE
FALSE ----- VARIABLE DensityCento.1_pyramidal -----
FALSE
FALSE ----- Layer 1 -----
FALSE           Raw (upper)
FALSE Adjusted (lower) Adult Calf Old
FALSE      Adult  NA -0.987 -0.022
FALSE      Calf   0.987  NA -0.197
FALSE      Old    0.067 0.197  NA
FALSE
FALSE ----- Layer 2 -----
FALSE           Raw (upper)
FALSE Adjusted (lower) Adult Calf Old
FALSE      Adult  NA 0.378 -0.091

```

```
FALSE      Calf 0.378  NA -0.067
FALSE      Old 0.201 0.201  NA
FALSE
FALSE      ----- Layer 3 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA 0.174 -0.001
FALSE      Calf 0.174  NA -0.013
FALSE      Old 0.004 0.013  NA
FALSE
FALSE      ----- Layer 4 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA 0.318 0.932
FALSE      Calf 0.953  NA -0.453
FALSE      Old 0.953 0.953  NA
FALSE
FALSE      ----- Layer 5 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA 0.296 -0.006
FALSE      Calf 0.296  NA -0.021
FALSE      Old 0.019 0.021  NA
FALSE
FALSE      ----- Layer 6 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA 0.186 -0.013
FALSE      Calf 0.186  NA -0.022
FALSE      Old 0.040 0.040  NA
FALSE
FALSE      ----- VARIABLE DensityCinquanta.1_complex -----
FALSE
FALSE      ----- Layer 1 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA 0.749 -0.027
FALSE      Calf 0.749  NA -0.137
FALSE      Old 0.080 0.137  NA
FALSE
FALSE      ----- Layer 2 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA 0.056 -0.042
FALSE      Calf 0.056  NA -0.017
FALSE      Old 0.051 0.051  NA
FALSE
FALSE      ----- Layer 3 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA 0.069 -0.001
FALSE      Calf 0.069  NA -0.009
FALSE      Old 0.004 0.009  NA
FALSE
FALSE      ----- Layer 4 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult Calf  Old
FALSE      Adult  NA 0.39 -0.752
FALSE      Calf 1  NA -0.378
FALSE      Old 1 1.00  NA
FALSE
FALSE      ----- Layer 5 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA 0.075 -0.011
FALSE      Calf 0.075  NA -0.010
FALSE      Old 0.029 0.029  NA
FALSE
FALSE      ----- Layer 6 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE      Adult  NA 0.085 -0.013
FALSE      Calf 0.085  NA -0.016
FALSE      Old 0.040 0.040  NA
FALSE
FALSE      ----- VARIABLE DensityCento.1_complex -----
FALSE
FALSE      ----- Layer 1 -----
```

```
FALSE          Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE          Adult  NA 0.961 -0.031
FALSE          Calf  0.961  NA -0.220
FALSE          Old   0.094 0.220  NA
FALSE
FALSE  ----- Layer 2 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE          Adult  NA 0.489 -0.083
FALSE          Calf  0.489  NA -0.079
FALSE          Old   0.237 0.237  NA
FALSE
FALSE  ----- Layer 3 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE          Adult  NA 0.250 0.000
FALSE          Calf  0.250  NA -0.015
FALSE          Old   0.001 0.015  NA
FALSE
FALSE  ----- Layer 4 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE          Adult  NA 0.291 0.646
FALSE          Calf  0.872  NA -0.545
FALSE          Old   0.872 0.872  NA
FALSE
FALSE  ----- Layer 5 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE          Adult  NA 0.268 -0.008
FALSE          Calf  0.268  NA -0.018
FALSE          Old   0.025 0.025  NA
FALSE
FALSE  ----- Layer 6 -----
FALSE              Raw (upper)
FALSE Adjusted (lower) Adult  Calf  Old
FALSE          Adult  NA 0.221 -0.016
FALSE          Calf  0.221  NA -0.021
FALSE          Old   0.048 0.048  NA
```