

	PC1	PC2	PC3	PC4	PC5
Olfactory bulb					
Variance (%)	35.7	27.6	18.2	9.8	6.4
Rotation matrix					
As	-0.25	-0.10	-0.22	-0.79	0.25
Cr	-0.28	0.46	0.10	-0.04	-0.31
Cu	-0.45	-0.07	-0.35	-0.14	-0.05
Fe	-0.39	-0.34	-0.11	0.13	-0.29
Mn	-0.44	0.00	-0.30	0.36	-0.19
Ni	0.02	0.49	0.13	-0.26	-0.56
Pb	-0.29	0.43	0.19	-0.07	0.41
Se	-0.42	0.09	0.33	0.27	0.34
Sr	-0.10	-0.42	0.42	-0.23	-0.35
Zn	-0.21	-0.21	0.62	-0.06	0.02
Median Score					
Control	1.26	-2.32	2.53	-0.29	-0.12
Low dose	1.49	0.75	-0.66	-0.15	-0.45
High dose	-1.43	0.28	0.14	0.54	-0.27

Anterior frontal cortex

	PC1	PC2	PC3	PC4	PC5
Anterior frontal cortex					
Variance (%)	43.8	17.5	16.1	7.0	6.2
Rotation matrix					
As	-0.28	-0.55	-0.01	-0.17	0.31
Cr	-0.27	-0.23	-0.21	0.24	-0.83
Cu	-0.40	-0.11	0.24	0.32	0.23
Fe	-0.40	0.33	0.00	-0.11	0.01
Mn	-0.36	0.32	-0.10	0.27	-0.01
Ni	0.04	-0.05	-0.71	-0.49	-0.01
Pb	0.12	-0.33	-0.49	0.61	0.30
Se	-0.45	0	-0.12	-0.23	0.21
Sr	-0.03	-0.55	0.35	-0.23	-0.18
Zn	-0.42	-0.01	-0.09	-0.08	0.00
Median Score					
Control	-0.21	0.39	0.29	0.5	0.33
Low dose	2.28	-0.69	-0.1	0.06	0.38
High dose	-2.43	1.24	0.87	-0.33	0.34

Motor-somatosensory cortex

	PC1	PC2	PC3	PC4	PC5
Motor-somatosensory cortex					
Variance (%)	30.7	22.1	18.2	12.6	7.0
Rotation matrix					
As	0.3	0.38	-0.03	0.51	-0.13
Cr	0.23	0.27	-0.41	-0.43	-0.23
Cu	0.08	0.31	-0.53	0.38	0.09
Fe	0.30	-0.33	-0.43	-0.14	0.33
Mn	0.21	-0.49	-0.21	0.22	0.40
Ni	0.37	0.24	-0.01	-0.53	0.04
Pb	0.19	0.46	0.21	0.08	0.59
Se	0.49	-0.20	0.03	0.07	-0.33
Sr	0.32	-0.03	0.47	-0.12	0.29
Zn	0.46	-0.15	0.25	0.21	-0.34
Median Score					
Control	-0.45	-0.66	-0.05	0.76	-0.56
Low dose	-1.26	1.11	0.06	-0.52	0.61
High dose	0.32	-0.37	0.01	0.32	0.13

Striatum

	PC1	PC2	PC3	PC4	PC5
Striatum					
Variance (%)	60.0	16.7	9.9	5.5	3.5
Rotation matrix					
As	0.30	0.38	0.38	-0.05	0.39
Cr	0.36	0.16	-0.40	0.15	0.05
Cu	0.35	-0.11	0.31	0.03	-0.30
Fe	0.29	-0.37	0.41	0.07	-0.37
Mn	0.23	-0.57	0.08	0.05	0.39
Ni	0.36	0.25	-0.26	0.22	0.18
Pb	0.35	0.13	-0.27	0.26	-0.54
Se	0.34	-0.30	-0.14	0.17	0.37
Sr	0.29	0.40	0.38	-0.28	0.03
Zn	0.27	-0.15	-0.35	-0.86	-0.09
Median Score					
Control	-1.25	-0.62	-0.59	0.42	0.22
Low dose	-1.01	0.74	0.81	-0.16	-0.17
High dose	2.1	-0.34	-0.12	0.49	0.16

	PC1	PC2	PC3	PC4	PC5
Ventral midbrain					
Variance (%)	36.0	21.7	16.0	14.9	6.8
Rotation matrix					
As	0.26	-0.41	0.13	0.42	0.36
Cr	0.36	0.16	-0.11	-0.38	0.58
Cu	0.28	-0.48	0.19	0.31	0.08
Fe	0.44	-0.10	0.06	-0.22	-0.45
Mn	0.07	-0.51	0.13	-0.41	-0.30
Ni	0.45	-0.01	-0.12	-0.39	0.17
Pb	0.40	0.23	0.03	0.37	-0.27
Se	-0.15	-0.31	-0.62	0.10	0.20
Sr	0.37	0.39	-0.12	0.26	-0.03
Zn	0.12	-0.11	-0.71	0.07	-0.30
Median Score					
Control	-1.19	-0.74	-0.32	0.72	-0.12
Low dose	1.58	1.98	-0.26	0.7	-0.34
High dose	1.08	0.09	1.5	-1.45	0.45

Cerebellum

	PC1	PC2	PC3	PC4	PC5
Cerebellum					
Variance (%)	36.9	28.3	11.0	8.3	6.2
Rotation matrix					
As	-0.19	0.46	0.35	-0.38	0.00
Cr	0.35	0.26	-0.36	0.36	-0.25
Cu	-0.24	0.45	0.33	-0.13	-0.25
Fe	-0.33	0.07	-0.52	-0.27	-0.55
Mn	-0.39	-0.19	-0.12	-0.09	0.25
Ni	0.37	0.26	0.34	0.26	-0.19
Pb	0.34	0.28	-0.36	-0.35	-0.07
Se	-0.33	0.36	-0.13	0.30	0.19
Sr	0.28	0.30	-0.23	-0.34	0.62
Zn	-0.29	0.35	-0.22	0.48	0.23
Median Score					
Control	-0.21	0.12	0.36	-0.89	0.18
Low dose	0.92	0.87	-0.31	0.08	-0.3
High dose	-1.27	-0.39	-0.12	0.57	0.11

Brainstem

	PC1	PC2	PC3	PC4	PC5
Brainstem					
Variance (%)	41.5	21.5	13.5	10.1	5.4
Rotation matrix					
As	-0.36	0.36	0.24	-0.31	0.02
Cr	-0.36	-0.36	0.04	-0.22	-0.23
Cu	-0.26	0.48	0.00	-0.32	-0.10
Fe	-0.28	-0.17	-0.46	-0.41	-0.17
Mn	-0.35	-0.07	-0.33	0.47	0.37
Ni	-0.12	-0.11	0.77	0.04	0.17
Pb	-0.17	-0.56	0.17	0.08	-0.43
Se	-0.43	0.09	0.07	0.08	0.02
Sr	-0.20	0.36	-0.01	0.57	-0.61
Zn	-0.45	-0.12	-0.03	0.12	0.44
Median Score					
Control	-0.21	0.8	0.64	0.3	-0.37
Low dose	1.88	-0.53	-0.61	-0.12	0.05
High dose	-1.24	-1.32	-0.13	-0.29	0.14

Spinal cord

	PC1	PC2	PC3	PC4	PC5
Spinal cord					
Variance (%)	47.7	27.2	13.2	5.3	3.7
Rotation matrix					
As	0.36	-0.35	0.07	0.15	0.21
Cr	0.19	0.48	0.28	0.31	-0.02
Cu	0.36	-0.33	0.05	0.36	0.13
Fe	0.43	0.02	-0.12	0.31	0.38
Mn	0.05	-0.03	0.84	0.12	-0.35
Ni	0.29	0.41	0.07	-0.39	0.28
Pb	0.36	0.30	0.07	-0.36	0.1
Se	0.33	-0.31	-0.15	-0.25	-0.42
Sr	0.16	0.41	-0.41	0.44	-0.52
Zn	0.41	-0.11	-0.05	-0.31	-0.38
Median Score					
Control	0.25	-1.71	0.38	-0.29	0.14
Low dose	0.25	0.97	-0.9	-0.58	-0.01
High dose	-0.14	0.87	0.36	0.77	0.00