Figure supp5A-E

Figure supp5A (Pearson correlation coefficient-all pairs)

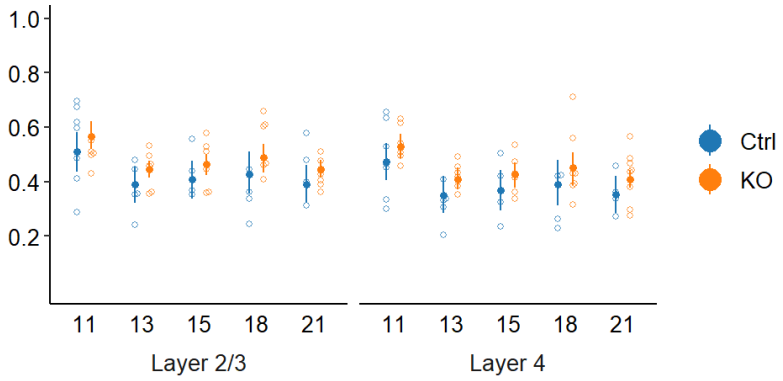

Table: ANOVA table before bootstrapping

	F	Df	Df.res	Pr(>F)
(Intercept)	268.670	1	18.243	0.000
f.age	9.105	4	98.009	0.000
group	2.179	1	10.647	0.169
f.layer	6.535	1	95.290	0.012

Table: Main effect after bootstrapping

Parameter	Median	Mean	CI	CI_low	CI_high	pd	pval
Ctrl - KO	-0.057	-0.056	0.95	-0.122	0.01	0.952	0.096

Parameter	Median	Mean	CI	CI_low	CI_high	pd	pval
f.age11 - f.age13	0.120	0.121	0.95	0.058	0.184	1.000	0.000
f.age11 - f.age15	0.102	0.103	0.95	0.038	0.177	0.999	0.002
f.age11 - f.age18	0.079	0.080	0.95	0.000	0.163	0.974	0.052
f.age11 - f.age21	0.119	0.120	0.95	0.074	0.173	1.000	0.000
f.age13 - f.age15	-0.018	-0.017	0.95	-0.046	0.013	0.874	0.252
f.age13 - f.age18	-0.041	-0.041	0.95	-0.103	0.020	0.906	0.188
f.age13 - f.age21	-0.001	0.000	0.95	-0.036	0.038	0.518	0.965
f.age15 - f.age18	-0.023	-0.024	0.95	-0.079	0.030	0.800	0.400
f.age15 - f.age21	0.017	0.017	0.95	-0.016	0.049	0.842	0.315
f.age18 - f.age21	0.042	0.040	0.95	-0.021	0.095	0.910	0.181

Parameter	Median	Mean	CI	CI_low	CI_high	pd	pval
f.layer2 - f.layer4	0.039	0.038	0.95	0.019	0.054	1	0

Table: Post-hoc comparison with bootstrapping output

Parameter	Median	Mean	Mean.1	CI	CI_low	CI_high	pd	pval
KO - Ctrl, 2, 11	0.057	0.056	0.056	0.95	-0.01	0.122	0.952	0.096
KO - Ctrl, 4, 11	0.057	0.056	0.056	0.95	-0.01	0.122	0.952	0.096
KO - Ctrl, 2, 13	0.057	0.056	0.056	0.95	-0.01	0.122	0.952	0.096
KO - Ctrl, 4, 13	0.057	0.056	0.056	0.95	-0.01	0.122	0.952	0.096
KO - Ctrl, 2, 15	0.057	0.056	0.056	0.95	-0.01	0.122	0.952	0.096
KO - Ctrl, 4, 15	0.057	0.056	0.056	0.95	-0.01	0.122	0.952	0.096
KO - Ctrl, 2, 18	0.057	0.056	0.056	0.95	-0.01	0.122	0.952	0.096
KO - Ctrl, 4, 18	0.057	0.056	0.056	0.95	-0.01	0.122	0.952	0.096
KO - Ctrl, 2, 21	0.057	0.056	0.056	0.95	-0.01	0.122	0.952	0.096
KO - Ctrl, 4, 21	0.057	0.056	0.056	0.95	-0.01	0.122	0.952	0.096

Parameter	Median	Mean	Mean.1	CI	CI_low	CI_high	pd	pval
f.age11 - f.age13, Ctrl, 2	0.120	0.121	0.121	0.95	0.058	0.184	1.000	0.000
f.age11 - f.age15, Ctrl, 2	0.102	0.103	0.103	0.95	0.038	0.177	0.999	0.002
f.age11 - f.age18, Ctrl, 2	0.079	0.080	0.080	0.95	0.000	0.163	0.974	0.052
f.age11 - f.age21, Ctrl, 2	0.119	0.120	0.120	0.95	0.074	0.173	1.000	0.000
f.age13 - f.age15, Ctrl, 2	-0.018	-0.017	-0.017	0.95	-0.046	0.013	0.874	0.252
f.age13 - f.age18, Ctrl, 2	-0.041	-0.041	-0.041	0.95	-0.103	0.020	0.906	0.188
f.age13 - f.age21, Ctrl, 2	-0.001	0.000	0.000	0.95	-0.036	0.038	0.518	0.965
f.age15 - f.age18, Ctrl, 2	-0.023	-0.024	-0.024	0.95	-0.079	0.030	0.800	0.400
f.age15 - f.age21, Ctrl, 2	0.017	0.017	0.017	0.95	-0.016	0.049	0.842	0.315
f.age18 - f.age21, Ctrl, 2	0.042	0.040	0.040	0.95	-0.021	0.095	0.910	0.181
f.age11 - f.age13, KO, 2	0.120	0.121	0.121	0.95	0.058	0.184	1.000	0.000
f.age11 - f.age15, KO, 2	0.102	0.103	0.103	0.95	0.038	0.177	0.999	0.002
f.age11 - f.age18, KO, 2	0.079	0.080	0.080	0.95	0.000	0.163	0.974	0.052
f.age11 - f.age21, KO, 2	0.119	0.120	0.120	0.95	0.074	0.173	1.000	0.000
f.age13 - f.age15, KO, 2	-0.018	-0.017	-0.017	0.95	-0.046	0.013	0.874	0.252
f.age13 - f.age18, KO, 2	-0.041	-0.041	-0.041	0.95	-0.103	0.020	0.906	0.188
f.age13 - f.age21, KO, 2	-0.001	0.000	0.000	0.95	-0.036	0.038	0.518	0.965
f.age15 - f.age18, KO, 2	-0.023	-0.024	-0.024	0.95	-0.079	0.030	0.800	0.400
f.age15 - f.age21, KO, 2	0.017	0.017	0.017	0.95	-0.016	0.049	0.842	0.315
f.age18 - f.age21, KO, 2	0.042	0.040	0.040	0.95	-0.021	0.095	0.910	0.181
f.age11 - f.age13, Ctrl, 4	0.120	0.121	0.121	0.95	0.058	0.184	1.000	0.000
f.age11 - f.age15, Ctrl, 4	0.102	0.103	0.103	0.95	0.038	0.177	0.999	0.002
f.age11 - f.age18, Ctrl, 4	0.079	0.080	0.080	0.95	0.000	0.163	0.974	0.052
f.age11 - f.age21, Ctrl, 4	0.119	0.120	0.120	0.95	0.074	0.173	1.000	0.000
f.age13 - f.age15, Ctrl, 4	-0.018	-0.017	-0.017	0.95	-0.046	0.013	0.874	0.252
f.age13 - f.age18, Ctrl, 4	-0.041	-0.041	-0.041	0.95	-0.103	0.020	0.906	0.188
f.age13 - f.age21, Ctrl, 4	-0.001	0.000	0.000	0.95	-0.036	0.038	0.518	0.965
f.age15 - f.age18, Ctrl, 4	-0.023	-0.024	-0.024	0.95	-0.079	0.030	0.800	0.400
f.age15 - f.age21, Ctrl, 4	0.017	0.017	0.017	0.95	-0.016	0.049	0.842	0.315
f.age18 - f.age21, Ctrl, 4	0.042	0.040	0.040	0.95	-0.021	0.095	0.910	0.181
f.age11 - f.age13, KO, 4	0.120	0.121	0.121	0.95	0.058	0.184	1.000	0.000
f.age11 - f.age15, KO, 4	0.102	0.103	0.103	0.95	0.038	0.177	0.999	0.002
f.age11 - f.age18, KO, 4	0.079	0.080	0.080	0.95	0.000	0.163	0.974	0.052
f.age11 - f.age21, KO, 4	0.119	0.120	0.120	0.95	0.074	0.173	1.000	0.000
f.age13 - f.age15, KO, 4	-0.018	-0.017	-0.017	0.95	-0.046	0.013	0.874	0.252
f.age13 - f.age18, KO, 4	-0.041	-0.041	-0.041	0.95	-0.103	0.020	0.906	0.188
f.age13 - f.age21, KO, 4	-0.001	0.000	0.000	0.95	-0.036	0.038	0.518	0.965
f.age15 - f.age18, KO, 4	-0.023	-0.024	-0.024	0.95	-0.079	0.030	0.800	0.400
f.age15 - f.age21, KO, 4	0.017	0.017	0.017	0.95	-0.016	0.049	0.842	0.315
f.age18 - f.age21, KO, 4	0.042	0.040	0.040	0.95	-0.021	0.095	0.910	0.181

Parameter	Median	Mean	Mean.1	CI	CI_low	CI_high	pd	pval
f.layer4 - f.layer2, Ctrl, 11	-0.039	-0.038	-0.038	0.95	-0.054	-0.019	1	0
f.layer4 - f.layer2, KO, 11	-0.039	-0.038	-0.038	0.95	-0.054	-0.019	1	0
f.layer4 - f.layer2, Ctrl, 13	-0.039	-0.038	-0.038	0.95	-0.054	-0.019	1	0

f.layer4 - f.layer2, KO, 13	-0.039	-0.038	-0.038	0.95	-0.054	-0.019	1	0
f.layer4 - f.layer2, Ctrl, 15	-0.039	-0.038	-0.038	0.95	-0.054	-0.019	1	0
f.layer4 - f.layer2, KO, 15	-0.039	-0.038	-0.038	0.95	-0.054	-0.019	1	0
f.layer4 - f.layer2, Ctrl, 18	-0.039	-0.038	-0.038	0.95	-0.054	-0.019	1	0
f.layer4 - f.layer2, KO, 18	-0.039	-0.038	-0.038	0.95	-0.054	-0.019	1	0
f.layer4 - f.layer2, Ctrl, 21	-0.039	-0.038	-0.038	0.95	-0.054	-0.019	1	0
f.layer4 - f.layer2, KO, 21	-0.039	-0.038	-0.038	0.95	-0.054	-0.019	1	0

Figure supp5B (Subnetwork number))

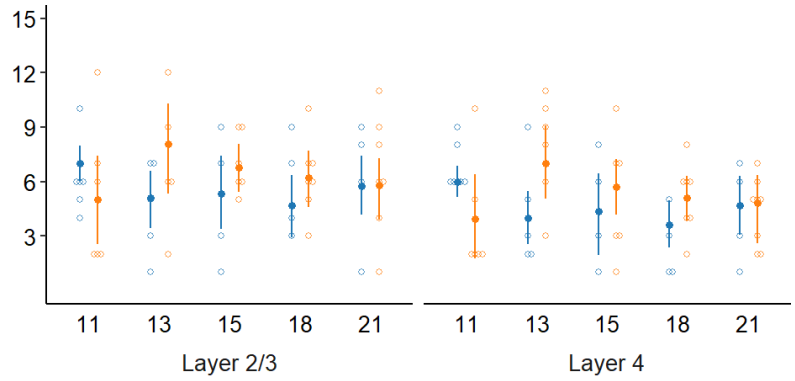

Table: ANOVA table before bootstrapping

	F	Df	Df.res	Pr(>F)
(Intercept)	81.420	1	75.297	0.000
f.age	1.392	4	97.916	0.242
group	3.384	1	68.664	0.070
f.layer	4.552	1	92.855	0.036
f.age:group	3.033	4	97.357	0.021

Table: Main effect after bootstrapping

Parameter	Median	Mean	CI	CI_low	CI_high	pd	pval
Ctrl - KO	-0.768	-0.763	0.95	-1.997	0.494	0.894	0.213

Parameter	Median	Mean	CI	CI_low	CI_high	pd	pval
f.age11 - f.age13	-0.584	-0.539	0.95	-2.346	1.517	0.713	0.574
f.age11 - f.age15	-0.098	-0.048	0.95	-1.691	1.872	0.542	0.916
f.age11 - f.age18	0.594	0.606	0.95	-0.597	1.932	0.823	0.353
f.age11 - f.age21	0.244	0.273	0.95	-1.412	2.202	0.599	0.802
f.age13 - f.age15	0.483	0.490	0.95	-1.323	2.327	0.703	0.593
f.age13 - f.age18	1.173	1.145	0.95	-0.465	2.621	0.925	0.149
f.age13 - f.age21	0.792	0.811	0.95	-0.702	2.428	0.847	0.305
f.age15 - f.age18	0.636	0.655	0.95	-0.943	2.275	0.785	0.429
f.age15 - f.age21	0.349	0.321	0.95	-0.968	1.453	0.705	0.591
f.age18 - f.age21	-0.351	-0.334	0.95	-1.535	0.974	0.701	0.598

Parameter	Median	Mean	CI	CI_low	CI_high	pd	pval
f.layer2 - f.layer4	1.055	1.053	0.95	-0.188	2.266	0.95	0.1

Table: Post-hoc comparison with bootstrapping output

Parameter	Median	Mean	Mean.1	CI	CI_low	CI_high	pd	pval
KO - Ctrl, 2, 11	-2.000	-1.987	-1.987	0.95	-4.410	0.375	0.950	0.100
KO - Ctrl, 4, 11	-2.000	-1.987	-1.987	0.95	-4.410	0.375	0.950	0.100
KO - Ctrl, 2, 13	2.991	2.957	2.957	0.95	0.267	5.492	0.984	0.031
KO - Ctrl, 4, 13	2.991	2.957	2.957	0.95	0.267	5.492	0.984	0.031
KO - Ctrl, 2, 15	1.348	1.405	1.405	0.95	-0.827	4.495	0.844	0.312
KO - Ctrl, 4, 15	1.348	1.405	1.405	0.95	-0.827	4.495	0.844	0.312
KO - Ctrl, 2, 18	1.495	1.447	1.447	0.95	-0.557	3.207	0.927	0.147
KO - Ctrl, 4, 18	1.495	1.447	1.447	0.95	-0.557	3.207	0.927	0.147
KO - Ctrl, 2, 21	0.032	-0.007	-0.007	0.95	-2.294	2.091	0.513	0.974
KO - Ctrl, 4, 21	0.032	-0.007	-0.007	0.95	-2.294	2.091	0.513	0.974

Parameter	Median	Mean	Mean.1	CI	CI_low	CI_high	pd	pval
f.age11 - f.age13, Ctrl, 2	1.931	1.934	1.934	0.95	0.446	3.520	0.993	0.014
f.age11 - f.age15, Ctrl, 2	1.471	1.648	1.648	0.95	-0.040	4.531	0.969	0.061
f.age11 - f.age18, Ctrl, 2	2.297	2.323	2.323	0.95	0.922	3.797	0.999	0.002
f.age11 - f.age21, Ctrl, 2	1.209	1.263	1.263	0.95	-0.155	3.079	0.959	0.082
f.age13 - f.age15, Ctrl, 2	-0.375	-0.286	-0.286	0.95	-2.500	2.480	0.595	0.809
f.age13 - f.age18, Ctrl, 2	0.437	0.390	0.390	0.95	-1.767	2.305	0.673	0.654
f.age13 - f.age21, Ctrl, 2	-0.706	-0.671	-0.671	0.95	-1.546	0.398	0.904	0.191
f.age15 - f.age18, Ctrl, 2	0.625	0.676	0.676	0.95	-2.046	3.276	0.694	0.611
f.age15 - f.age21, Ctrl, 2	-0.375	-0.385	-0.385	0.95	-2.100	1.000	0.686	0.628
f.age18 - f.age21, Ctrl, 2	-1.000	-1.060	-1.060	0.95	-3.000	0.500	0.880	0.240
f.age11 - f.age13, KO, 2	-3.083	-3.011	-3.011	0.95	-6.250	0.900	0.942	0.115
f.age11 - f.age15, KO, 2	-1.779	-1.744	-1.744	0.95	-4.250	0.933	0.906	0.189
f.age11 - f.age18, KO, 2	-1.145	-1.111	-1.111	0.95	-3.089	1.100	0.866	0.268
f.age11 - f.age21, KO, 2	-0.830	-0.718	-0.718	0.95	-3.722	2.863	0.690	0.620
f.age13 - f.age15, KO, 2	1.313	1.266	1.266	0.95	-1.621	3.772	0.841	0.318
f.age13 - f.age18, KO, 2	1.914	1.900	1.900	0.95	-0.523	4.180	0.941	0.117
f.age13 - f.age21, KO, 2	2.219	2.293	2.293	0.95	-0.567	5.400	0.937	0.127
f.age15 - f.age18, KO, 2	0.624	0.634	0.634	0.95	-1.375	2.545	0.757	0.486
f.age15 - f.age21, KO, 2	1.048	1.027	1.027	0.95	-1.107	2.750	0.857	0.285
f.age18 - f.age21, KO, 2	0.300	0.393	0.393	0.95	-0.943	2.440	0.636	0.728
f.age11 - f.age13, Ctrl, 4	1.931	1.934	1.934	0.95	0.446	3.520	0.993	0.014
f.age11 - f.age15, Ctrl, 4	1.471	1.648	1.648	0.95	-0.040	4.531	0.969	0.061
f.age11 - f.age18, Ctrl, 4	2.297	2.323	2.323	0.95	0.922	3.797	0.999	0.002
f.age11 - f.age21, Ctrl, 4	1.209	1.263	1.263	0.95	-0.155	3.079	0.959	0.082
f.age13 - f.age15, Ctrl, 4	-0.375	-0.286	-0.286	0.95	-2.500	2.480	0.595	0.809
f.age13 - f.age18, Ctrl, 4	0.437	0.390	0.390	0.95	-1.767	2.305	0.673	0.654
f.age13 - f.age21, Ctrl, 4	-0.706	-0.671	-0.671	0.95	-1.546	0.398	0.904	0.191
f.age15 - f.age18, Ctrl, 4	0.625	0.676	0.676	0.95	-2.046	3.276	0.694	0.611
f.age15 - f.age21, Ctrl, 4	-0.375	-0.385	-0.385	0.95	-2.100	1.000	0.686	0.628
f.age18 - f.age21, Ctrl, 4	-1.000	-1.060	-1.060	0.95	-3.000	0.500	0.880	0.240
f.age11 - f.age13, KO, 4	-3.083	-3.011	-3.011	0.95	-6.250	0.900	0.942	0.115
f.age11 - f.age15, KO, 4	-1.779	-1.744	-1.744	0.95	-4.250	0.933	0.906	0.189
f.age11 - f.age18, KO, 4	-1.145	-1.111	-1.111	0.95	-3.089	1.100	0.866	0.268
f.age11 - f.age21, KO, 4	-0.830	-0.718	-0.718	0.95	-3.722	2.863	0.690	0.620
f.age13 - f.age15, KO, 4	1.313	1.266	1.266	0.95	-1.621	3.772	0.841	0.318
f.age13 - f.age18, KO, 4	1.914	1.900	1.900	0.95	-0.523	4.180	0.941	0.117
f.age13 - f.age21, KO, 4	2.219	2.293	2.293	0.95	-0.567	5.400	0.937	0.127
f.age15 - f.age18, KO, 4	0.624	0.634	0.634	0.95	-1.375	2.545	0.757	0.486
f.age15 - f.age21, KO, 4	1.048	1.027	1.027	0.95	-1.107	2.750	0.857	0.285
f.age18 - f.age21, KO, 4	0.300	0.393	0.393	0.95	-0.943	2.440	0.636	0.728

Parameter	Median	Mean	Mean.1	CI	CI_low	CI_high	pd	pval
f.layer4 - f.layer2, Ctrl, 11	-1.055	-1.053	-1.053	0.95	-2.266	0.188	0.95	0.1
f.layer4 - f.layer2, KO, 11	-1.055	-1.053	-1.053	0.95	-2.266	0.188	0.95	0.1
f.layer4 - f.layer2, Ctrl, 13	-1.055	-1.053	-1.053	0.95	-2.266	0.188	0.95	0.1

```
|f.layer4 - f.layer2, KO, 13   | -1.055| -1.053| -1.053| 0.95| -2.266|   0.188| 0.95|  0.1|
|f.layer4 - f.layer2, Ctrl, 15 | -1.055| -1.053| -1.053| 0.95| -2.266|   0.188| 0.95|  0.1|
|f.layer4 - f.layer2, KO, 15   | -1.055| -1.053| -1.053| 0.95| -2.266|   0.188| 0.95|  0.1|
|f.layer4 - f.layer2, Ctrl, 18 | -1.055| -1.053| -1.053| 0.95| -2.266|   0.188| 0.95|  0.1|
|f.layer4 - f.layer2, KO, 18   | -1.055| -1.053| -1.053| 0.95| -2.266|   0.188| 0.95|  0.1|
|f.layer4 - f.layer2, Ctrl, 21 | -1.055| -1.053| -1.053| 0.95| -2.266|   0.188| 0.95|  0.1|
|f.layer4 - f.layer2, KO, 21   | -1.055| -1.053| -1.053| 0.95| -2.266|   0.188| 0.95|  0.1|
```

Figure supp5C (view in-out)

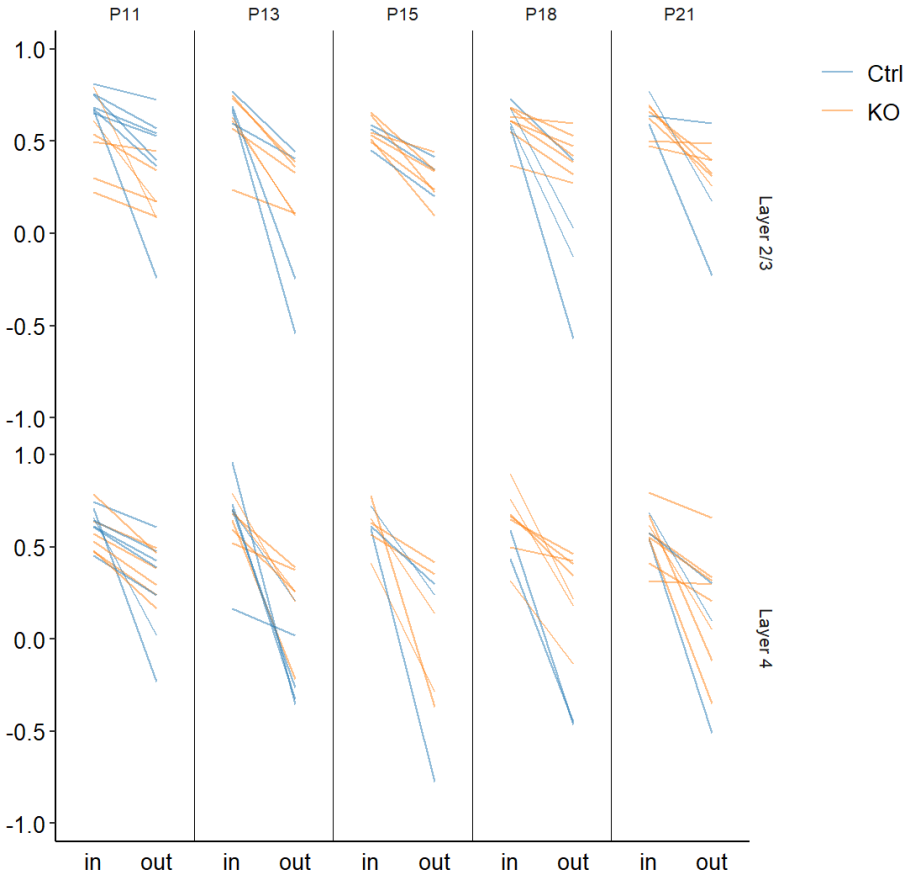

Figure supp5D (tCC- in the same subnetwork)

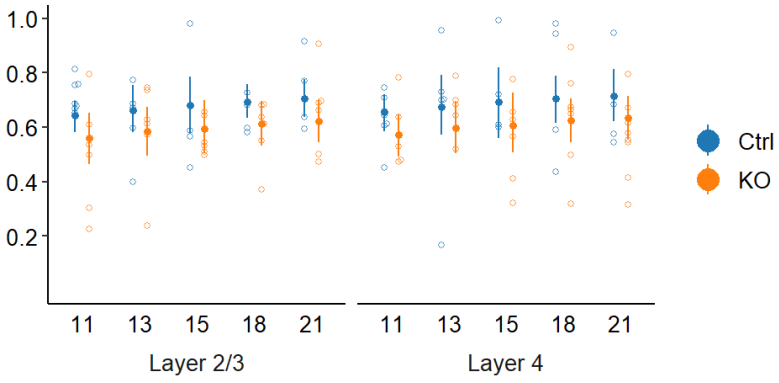

Table: ANOVA table before bootstrapping

	F	Df	Df.res	Pr(>F)
(Intercept)	211.209	1	25.091	0.000
f.age	0.599	4	99.266	0.665
group	2.631	1	10.342	0.135
f.layer	0.196	1	95.638	0.659

Table: Main effect after bootstrapping

Parameter	Median	Mean	CI	CI_low	CI_high	pd	pval
Ctrl - KO	0.081	0.082	0.95	-0.008	0.173	0.963	0.073

Parameter	Median	Mean	CI	CI_low	CI_high	pd	pval
f.age11 - f.age13	-0.022	-0.022	0.95	-0.128	0.086	0.658	0.683
f.age11 - f.age15	-0.036	-0.037	0.95	-0.152	0.074	0.732	0.536
f.age11 - f.age18	-0.052	-0.051	0.95	-0.131	0.026	0.895	0.209
f.age11 - f.age21	-0.063	-0.062	0.95	-0.129	0.010	0.954	0.092
f.age13 - f.age15	-0.015	-0.015	0.95	-0.120	0.092	0.605	0.789
f.age13 - f.age18	-0.028	-0.029	0.95	-0.094	0.033	0.819	0.362
f.age13 - f.age21	-0.039	-0.040	0.95	-0.115	0.032	0.858	0.284
f.age15 - f.age18	-0.014	-0.015	0.95	-0.105	0.075	0.618	0.765
f.age15 - f.age21	-0.023	-0.025	0.95	-0.139	0.076	0.661	0.677
f.age18 - f.age21	-0.009	-0.011	0.95	-0.068	0.037	0.637	0.726

Parameter	Median	Mean	CI	CI_low	CI_high	pd	pval
f.layer2 - f.layer4	-0.011	-0.011	0.95	-0.054	0.03	0.703	0.594

Table: Post-hoc comparison with bootstrapping output

Parameter	Median	Mean	Mean.1	CI	CI_low	CI_high	pd	pval
KO - Ctrl, 2, 11	-0.081	-0.082	-0.082	0.95	-0.173	0.008	0.963	0.073
KO - Ctrl, 4, 11	-0.081	-0.082	-0.082	0.95	-0.173	0.008	0.963	0.073
KO - Ctrl, 2, 13	-0.081	-0.082	-0.082	0.95	-0.173	0.008	0.963	0.073
KO - Ctrl, 4, 13	-0.081	-0.082	-0.082	0.95	-0.173	0.008	0.963	0.073
KO - Ctrl, 2, 15	-0.081	-0.082	-0.082	0.95	-0.173	0.008	0.963	0.073
KO - Ctrl, 4, 15	-0.081	-0.082	-0.082	0.95	-0.173	0.008	0.963	0.073
KO - Ctrl, 2, 18	-0.081	-0.082	-0.082	0.95	-0.173	0.008	0.963	0.073
KO - Ctrl, 4, 18	-0.081	-0.082	-0.082	0.95	-0.173	0.008	0.963	0.073
KO - Ctrl, 2, 21	-0.081	-0.082	-0.082	0.95	-0.173	0.008	0.963	0.073
KO - Ctrl, 4, 21	-0.081	-0.082	-0.082	0.95	-0.173	0.008	0.963	0.073

Parameter	Median	Mean	Mean.1	CI	CI_low	CI_high	pd	pval
f.age11 - f.age13, Ctrl, 2	-0.022	-0.022	-0.022	0.95	-0.128	0.086	0.658	0.683
f.age11 - f.age15, Ctrl, 2	-0.036	-0.037	-0.037	0.95	-0.152	0.074	0.732	0.536
f.age11 - f.age18, Ctrl, 2	-0.052	-0.051	-0.051	0.95	-0.131	0.026	0.895	0.209
f.age11 - f.age21, Ctrl, 2	-0.063	-0.062	-0.062	0.95	-0.129	0.010	0.954	0.092
f.age13 - f.age15, Ctrl, 2	-0.015	-0.015	-0.015	0.95	-0.120	0.092	0.605	0.789
f.age13 - f.age18, Ctrl, 2	-0.028	-0.029	-0.029	0.95	-0.094	0.033	0.819	0.362
f.age13 - f.age21, Ctrl, 2	-0.039	-0.040	-0.040	0.95	-0.115	0.032	0.858	0.284
f.age15 - f.age18, Ctrl, 2	-0.014	-0.015	-0.015	0.95	-0.105	0.075	0.618	0.765
f.age15 - f.age21, Ctrl, 2	-0.023	-0.025	-0.025	0.95	-0.139	0.076	0.661	0.677
f.age18 - f.age21, Ctrl, 2	-0.009	-0.011	-0.011	0.95	-0.068	0.037	0.637	0.726
f.age11 - f.age13, KO, 2	-0.022	-0.022	-0.022	0.95	-0.128	0.086	0.658	0.683
f.age11 - f.age15, KO, 2	-0.036	-0.037	-0.037	0.95	-0.152	0.074	0.732	0.536
f.age11 - f.age18, KO, 2	-0.052	-0.051	-0.051	0.95	-0.131	0.026	0.895	0.209
f.age11 - f.age21, KO, 2	-0.063	-0.062	-0.062	0.95	-0.129	0.010	0.954	0.092
f.age13 - f.age15, KO, 2	-0.015	-0.015	-0.015	0.95	-0.120	0.092	0.605	0.789
f.age13 - f.age18, KO, 2	-0.028	-0.029	-0.029	0.95	-0.094	0.033	0.819	0.362
f.age13 - f.age21, KO, 2	-0.039	-0.040	-0.040	0.95	-0.115	0.032	0.858	0.284
f.age15 - f.age18, KO, 2	-0.014	-0.015	-0.015	0.95	-0.105	0.075	0.618	0.765
f.age15 - f.age21, KO, 2	-0.023	-0.025	-0.025	0.95	-0.139	0.076	0.661	0.677
f.age18 - f.age21, KO, 2	-0.009	-0.011	-0.011	0.95	-0.068	0.037	0.637	0.726
f.age11 - f.age13, Ctrl, 4	-0.022	-0.022	-0.022	0.95	-0.128	0.086	0.658	0.683
f.age11 - f.age15, Ctrl, 4	-0.036	-0.037	-0.037	0.95	-0.152	0.074	0.732	0.536
f.age11 - f.age18, Ctrl, 4	-0.052	-0.051	-0.051	0.95	-0.131	0.026	0.895	0.209
f.age11 - f.age21, Ctrl, 4	-0.063	-0.062	-0.062	0.95	-0.129	0.010	0.954	0.092
f.age13 - f.age15, Ctrl, 4	-0.015	-0.015	-0.015	0.95	-0.120	0.092	0.605	0.789
f.age13 - f.age18, Ctrl, 4	-0.028	-0.029	-0.029	0.95	-0.094	0.033	0.819	0.362
f.age13 - f.age21, Ctrl, 4	-0.039	-0.040	-0.040	0.95	-0.115	0.032	0.858	0.284
f.age15 - f.age18, Ctrl, 4	-0.014	-0.015	-0.015	0.95	-0.105	0.075	0.618	0.765
f.age15 - f.age21, Ctrl, 4	-0.023	-0.025	-0.025	0.95	-0.139	0.076	0.661	0.677
f.age18 - f.age21, Ctrl, 4	-0.009	-0.011	-0.011	0.95	-0.068	0.037	0.637	0.726
f.age11 - f.age13, KO, 4	-0.022	-0.022	-0.022	0.95	-0.128	0.086	0.658	0.683
f.age11 - f.age15, KO, 4	-0.036	-0.037	-0.037	0.95	-0.152	0.074	0.732	0.536
f.age11 - f.age18, KO, 4	-0.052	-0.051	-0.051	0.95	-0.131	0.026	0.895	0.209
f.age11 - f.age21, KO, 4	-0.063	-0.062	-0.062	0.95	-0.129	0.010	0.954	0.092
f.age13 - f.age15, KO, 4	-0.015	-0.015	-0.015	0.95	-0.120	0.092	0.605	0.789
f.age13 - f.age18, KO, 4	-0.028	-0.029	-0.029	0.95	-0.094	0.033	0.819	0.362
f.age13 - f.age21, KO, 4	-0.039	-0.040	-0.040	0.95	-0.115	0.032	0.858	0.284
f.age15 - f.age18, KO, 4	-0.014	-0.015	-0.015	0.95	-0.105	0.075	0.618	0.765
f.age15 - f.age21, KO, 4	-0.023	-0.025	-0.025	0.95	-0.139	0.076	0.661	0.677
f.age18 - f.age21, KO, 4	-0.009	-0.011	-0.011	0.95	-0.068	0.037	0.637	0.726

Parameter	Median	Mean	Mean.1	CI	CI_low	CI_high	pd	pval
f.layer4 - f.layer2, Ctrl, 11	0.011	0.011	0.011	0.95	-0.03	0.054	0.703	0.594
f.layer4 - f.layer2, KO, 11	0.011	0.011	0.011	0.95	-0.03	0.054	0.703	0.594
f.layer4 - f.layer2, Ctrl, 13	0.011	0.011	0.011	0.95	-0.03	0.054	0.703	0.594

f.layer4 - f.layer2, KO, 13	0.011	0.011	0.011	0.95	-0.03	0.054	0.703	0.594
f.layer4 - f.layer2, Ctrl, 15	0.011	0.011	0.011	0.95	-0.03	0.054	0.703	0.594
f.layer4 - f.layer2, KO, 15	0.011	0.011	0.011	0.95	-0.03	0.054	0.703	0.594
f.layer4 - f.layer2, Ctrl, 18	0.011	0.011	0.011	0.95	-0.03	0.054	0.703	0.594
f.layer4 - f.layer2, KO, 18	0.011	0.011	0.011	0.95	-0.03	0.054	0.703	0.594
f.layer4 - f.layer2, Ctrl, 21	0.011	0.011	0.011	0.95	-0.03	0.054	0.703	0.594
f.layer4 - f.layer2, KO, 21	0.011	0.011	0.011	0.95	-0.03	0.054	0.703	0.594

Figure supp5E (tCC- outside the subnetwork)

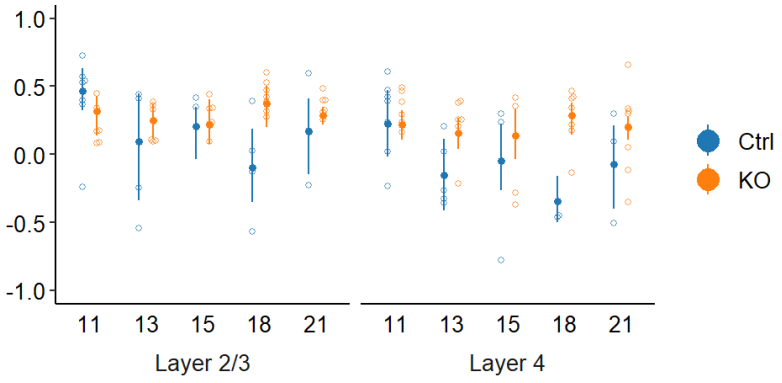

Table: ANOVA table before bootstrapping

	F	Df	Df.res	Pr(>F)
(Intercept)	28.257	1	46.802	0.000
f.age	6.714	4	84.997	0.000
group	1.457	1	44.685	0.234
f.layer	10.369	1	79.971	0.002
group:f.layer	2.418	1	79.671	0.124
f.age:group	4.509	4	84.881	0.002

Table: Main effect after bootstrapping

Parameter	Median	Mean	CI	CI_low	CI_high	pd	pval
Ctrl - KO	-0.192	-0.193	0.95	-0.375	-0.023	0.986	0.028

Parameter	Median	Mean	CI	CI_low	CI_high	pd	pval
f.age11 - f.age13	0.218	0.213	0.95	-0.044	0.442	0.951	0.098
f.age11 - f.age15	0.174	0.173	0.95	0.055	0.291	0.998	0.004
f.age11 - f.age18	0.254	0.249	0.95	0.056	0.427	0.994	0.012
f.age11 - f.age21	0.159	0.159	0.95	0.035	0.288	0.995	0.010
f.age13 - f.age15	-0.033	-0.040	0.95	-0.300	0.150	0.641	0.719
f.age13 - f.age18	0.038	0.037	0.95	-0.090	0.156	0.736	0.528
f.age13 - f.age21	-0.049	-0.053	0.95	-0.243	0.171	0.683	0.635
f.age15 - f.age18	0.069	0.076	0.95	-0.072	0.276	0.810	0.379
f.age15 - f.age21	-0.014	-0.014	0.95	-0.146	0.114	0.578	0.844
f.age18 - f.age21	-0.090	-0.090	0.95	-0.259	0.092	0.820	0.359

Parameter	Median	Mean	CI	CI_low	CI_high	pd	pval
f.layer2 - f.layer4	0.168	0.164	0.95	0.062	0.242	1	0

Table: Post-hoc comparison with bootstrapping output

Parameter	Median	Mean	Mean.1	CI	CI_low	CI_high	pd	pval
KO - Ctrl, 2, 11	-0.157	-0.162	-0.162	0.95	-0.392	0.037	0.943	0.114
KO - Ctrl, 4, 11	-0.008	-0.010	-0.010	0.95	-0.282	0.262	0.521	0.958
KO - Ctrl, 2, 13	0.153	0.147	0.147	0.95	-0.301	0.574	0.770	0.460
KO - Ctrl, 4, 13	0.309	0.298	0.298	0.95	-0.038	0.567	0.961	0.078
KO - Ctrl, 2, 15	0.015	0.024	0.024	0.95	-0.193	0.288	0.553	0.893
KO - Ctrl, 4, 15	0.179	0.175	0.175	0.95	-0.132	0.474	0.867	0.265
KO - Ctrl, 2, 18	0.466	0.458	0.458	0.95	0.134	0.751	0.997	0.007
KO - Ctrl, 4, 18	0.618	0.609	0.609	0.95	0.390	0.800	1.000	0.000
KO - Ctrl, 2, 21	0.117	0.120	0.120	0.95	-0.152	0.426	0.775	0.450
KO - Ctrl, 4, 21	0.271	0.272	0.272	0.95	-0.019	0.634	0.964	0.072

Parameter	Median	Mean	Mean.1	CI	CI_low	CI_high	pd	pval
f.age11 - f.age13, Ctrl, 2	0.379	0.367	0.367	0.95	-0.122	0.806	0.936	0.127
f.age11 - f.age15, Ctrl, 2	0.266	0.266	0.266	0.95	0.092	0.453	0.998	0.005
f.age11 - f.age18, Ctrl, 2	0.569	0.559	0.559	0.95	0.213	0.809	1.000	0.001
f.age11 - f.age21, Ctrl, 2	0.295	0.301	0.301	0.95	0.096	0.529	0.997	0.007
f.age13 - f.age15, Ctrl, 2	-0.081	-0.101	-0.101	0.95	-0.588	0.227	0.703	0.594
f.age13 - f.age18, Ctrl, 2	0.199	0.192	0.192	0.95	-0.024	0.370	0.965	0.069
f.age13 - f.age21, Ctrl, 2	-0.062	-0.067	-0.067	0.95	-0.404	0.352	0.625	0.750
f.age15 - f.age18, Ctrl, 2	0.278	0.293	0.293	0.95	0.085	0.625	1.000	0.000
f.age15 - f.age21, Ctrl, 2	0.027	0.035	0.035	0.95	-0.143	0.198	0.638	0.724
f.age18 - f.age21, Ctrl, 2	-0.257	-0.258	-0.258	0.95	-0.529	0.059	0.935	0.131
f.age11 - f.age13, KO, 2	0.057	0.058	0.058	0.95	-0.090	0.216	0.776	0.448
f.age11 - f.age15, KO, 2	0.081	0.080	0.080	0.95	-0.074	0.244	0.833	0.334
f.age11 - f.age18, KO, 2	-0.070	-0.060	-0.060	0.95	-0.205	0.167	0.761	0.478
f.age11 - f.age21, KO, 2	0.020	0.018	0.018	0.95	-0.125	0.156	0.605	0.790
f.age13 - f.age15, KO, 2	0.016	0.022	0.022	0.95	-0.105	0.217	0.562	0.877
f.age13 - f.age18, KO, 2	-0.123	-0.119	-0.119	0.95	-0.264	0.044	0.940	0.121
f.age13 - f.age21, KO, 2	-0.033	-0.040	-0.040	0.95	-0.213	0.075	0.681	0.637
f.age15 - f.age18, KO, 2	-0.147	-0.141	-0.141	0.95	-0.345	0.117	0.889	0.222
f.age15 - f.age21, KO, 2	-0.060	-0.062	-0.062	0.95	-0.285	0.130	0.746	0.507
f.age18 - f.age21, KO, 2	0.086	0.079	0.079	0.95	-0.132	0.228	0.836	0.328
f.age11 - f.age13, Ctrl, 4	0.379	0.367	0.367	0.95	-0.122	0.806	0.936	0.127
f.age11 - f.age15, Ctrl, 4	0.266	0.266	0.266	0.95	0.092	0.453	0.998	0.005
f.age11 - f.age18, Ctrl, 4	0.569	0.559	0.559	0.95	0.213	0.809	1.000	0.001
f.age11 - f.age21, Ctrl, 4	0.295	0.301	0.301	0.95	0.096	0.529	0.997	0.007
f.age13 - f.age15, Ctrl, 4	-0.081	-0.101	-0.101	0.95	-0.588	0.227	0.703	0.594
f.age13 - f.age18, Ctrl, 4	0.199	0.192	0.192	0.95	-0.024	0.370	0.965	0.069
f.age13 - f.age21, Ctrl, 4	-0.062	-0.067	-0.067	0.95	-0.404	0.352	0.625	0.750
f.age15 - f.age18, Ctrl, 4	0.278	0.293	0.293	0.95	0.085	0.625	1.000	0.000
f.age15 - f.age21, Ctrl, 4	0.027	0.035	0.035	0.95	-0.143	0.198	0.638	0.724
f.age18 - f.age21, Ctrl, 4	-0.257	-0.258	-0.258	0.95	-0.529	0.059	0.935	0.131
f.age11 - f.age13, KO, 4	0.057	0.058	0.058	0.95	-0.090	0.216	0.776	0.448
f.age11 - f.age15, KO, 4	0.081	0.080	0.080	0.95	-0.074	0.244	0.833	0.334
f.age11 - f.age18, KO, 4	-0.070	-0.060	-0.060	0.95	-0.205	0.167	0.761	0.478
f.age11 - f.age21, KO, 4	0.020	0.018	0.018	0.95	-0.125	0.156	0.605	0.790
f.age13 - f.age15, KO, 4	0.016	0.022	0.022	0.95	-0.105	0.217	0.562	0.877
f.age13 - f.age18, KO, 4	-0.123	-0.119	-0.119	0.95	-0.264	0.044	0.940	0.121
f.age13 - f.age21, KO, 4	-0.033	-0.040	-0.040	0.95	-0.213	0.075	0.681	0.637
f.age15 - f.age18, KO, 4	-0.147	-0.141	-0.141	0.95	-0.345	0.117	0.889	0.222
f.age15 - f.age21, KO, 4	-0.060	-0.062	-0.062	0.95	-0.285	0.130	0.746	0.507
f.age18 - f.age21, KO, 4	0.086	0.079	0.079	0.95	-0.132	0.228	0.836	0.328

Parameter	Median	Mean	Mean.1	CI	CI_low	CI_high	pd	pval
f.layer4 - f.layer2, Ctrl, 11	-0.248	-0.240	-0.240	0.95	-0.376	-0.056	1.000	0.00
f.layer4 - f.layer2, KO, 11	-0.091	-0.088	-0.088	0.95	-0.158	0.000	0.975	0.05
f.layer4 - f.layer2, Ctrl, 13	-0.248	-0.240	-0.240	0.95	-0.376	-0.056	1.000	0.00

f.layer4 - f.layer2, KO, 13	-0.091	-0.088	-0.088	0.95	-0.158	0.000	0.975	0.05
f.layer4 - f.layer2, Ctrl, 15	-0.248	-0.240	-0.240	0.95	-0.376	-0.056	1.000	0.00
f.layer4 - f.layer2, KO, 15	-0.091	-0.088	-0.088	0.95	-0.158	0.000	0.975	0.05
f.layer4 - f.layer2, Ctrl, 18	-0.248	-0.240	-0.240	0.95	-0.376	-0.056	1.000	0.00
f.layer4 - f.layer2, KO, 18	-0.091	-0.088	-0.088	0.95	-0.158	0.000	0.975	0.05
f.layer4 - f.layer2, Ctrl, 21	-0.248	-0.240	-0.240	0.95	-0.376	-0.056	1.000	0.00
f.layer4 - f.layer2, KO, 21	-0.091	-0.088	-0.088	0.95	-0.158	0.000	0.975	0.05