Figure Supp3

Figure Supp 3 - Kmean CovM

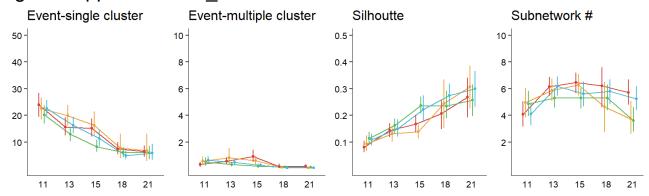


Figure Supp 3 - Kmean CovM -Silhouette

```
Table: ANOVA table before bootstrapping
                    F| Df| Df.res| Pr(>F)|
               ----:|--:|----:|
|(Intercept) | 26.995| 1| 93.297| 0.000|
|f.age
              | 12.500 | 4 | 383.152 | 0.000 |
sex
               0.174
                           69.332
                       1|
|f.layer
              | 0.024 | 1 | 360.501 | 0.877 |
|f.age:sex
            3.429 4 393.426 0.009
|f.age:f.layer | 2.544 | 4 | 364.394 | 0.039 |
Table: Main effect after bootstrapping
                 | Median| Mean| CI| CI_low| CI_high| | | |
|f.age11 - f.age13 | -0.044| -0.044| 0.95| -0.065| -0.026| 1.000| 0.000|
|f.age11 - f.age15 | -0.093 | -0.094 | 0.95 | -0.122 | -0.072 | 1.000 | 0.000 |
|f.age11 - f.age18 | -0.150 | -0.150 | 0.95 | -0.188 | -0.114 | 1.000 | 0.000 |
|f.age11 - f.age21 | -0.199 | -0.201 | 0.95 | -0.262 | -0.152 | 1.000 | 0.000 |
|f.age13 - f.age15 | -0.050| -0.050| 0.95| -0.074|
                                                 -0.028 | 1.000 | 0.000 |
|f.age13 - f.age18 | -0.106 | -0.106 | 0.95 | -0.143 | -0.069 | 1.000 | 0.000 |
|f.age13 - f.age21 | -0.155 | -0.156 | 0.95 | -0.214 | -0.109 | 1.000 | 0.000 |
|f.age15 - f.age18 | -0.056 | -0.056 | 0.95 | -0.094 | -0.022 | 1.000 | 0.000 |
|f.age15 - f.age21 | -0.104 | -0.106 | 0.95 | -0.169 | -0.060 | 1.000 | 0.000 |
|f.age18 - f.age21 | -0.048 | -0.050 | 0.95 | -0.100 | -0.011 | 0.994 | 0.012 |
|Parameter | Median | Mean | CI | CI_low | CI_high | | |
|---|---|---|---|---|---|---|---|
|F - M | -0.015 | -0.015 | 0.95 | -0.054 | 0.027 | 0.768 | 0.463 |
                  | Median| Mean| CI| CI_low| CI_high| pd| pval|
Parameter
|:----:|----:|----:|----:|----:|----:|----:|----:|----:|----:|
|f.layer2 - f.layer4 | -0.01| -0.01| 0.95| -0.029| 0.009| 0.839| 0.323|
```

						CI_high		pval
:								
f.age11 - f.age13, F, 2								
f.age11 - f.age15, F, 2								
f.age11 - f.age18, F, 2								
f.age11 - f.age21, F, 2								
f.age13 - f.age15, F, 2								0.216
f.age13 - f.age18, F, 2								
f.age13 - f.age21, F, 2	: :							
f.age15 - f.age18, F, 2	: :							
f.age15 - f.age21, F, 2								
f.age18 - f.age21, F, 2								
f.age11 - f.age13, M, 2								
f.age11 - f.age15, M, 2								
f.age11 - f.age18, M, 2								
f.age11 - f.age21, M, 2	: :							
f.age13 - f.age15, M, 2	: :							
f.age13 - f.age18, M, 2	: :						0.974	
f.age13 - f.age21, M, 2	: :							
f.age15 - f.age18, M, 2	: :						0.705	
f.age15 - f.age21, M, 2							0.794	
f.age18 - f.age21, M, 2							0.950	
f.age11 - f.age13, F, 4								
f.age11 - f.age15, F, 4								
f.age11 - f.age18, F, 4	: :							
f.age11 - f.age21, F, 4	: :					:	:	
f.age13 - f.age15, F, 4							0.756	
f.age13 - f.age18, F, 4								
f.age13 - f.age21, F, 4								
f.age15 - f.age18, F, 4								
f.age15 - f.age21, F, 4								
f.age18 - f.age21, F, 4							0.934	
f.age11 - f.age13, M, 4	: :							
f.age11 - f.age15, M, 4								
f.age11 - f.age18, M, 4								
f.age11 - f.age21, M, 4	: :							
f.age13 - f.age15, M, 4								
f.age13 - f.age18, M, 4								
f.age13 - f.age21, M, 4	: :							
f.age15 - f.age18, M, 4	: :						0.946	
f.age15 - f.age21, M, 4	-0.089	-0.091	-0.091	0.95	-0.173	-0.026	0.997	0.005
f.age18 - f.age21, M, 4	-0.031	-0.035	-0.035	0.95	-0.115	0.022	0.853	0.295

Parameter	Median Mean	Mean.1 CI	CI_low	CI_high	pd	pval
:	:	: :	:	:	: -	:
M - F, 2, 11	0.006 0.006	0.006 0.95	-0.032	0.041	0.631	0.738
M - F, 4, 11	0.006 0.006	0.006 0.95	-0.032	0.041	0.631	0.738
M - F, 2, 13	0.007 0.007	0.007 0.95	-0.032	0.045	0.644	0.712
M - F, 4, 13	0.007 0.007	0.007 0.95	-0.032	0.045	0.644	0.712
M - F, 2, 15	0.074 0.074	0.074 0.95	0.022	0.123	0.997	0.006
M - F, 4, 15	0.074 0.074	0.074 0.95	0.022	0.123	0.997	0.006
M - F, 2, 18	0.000 -0.001	-0.001 0.95	-0.075	0.069	0.502	0.997
M - F, 4, 18	0.000 -0.001	-0.001 0.95	-0.075	0.069	0.502	0.997
M - F, 2, 21	-0.009 -0.011	-0.011 0.95	-0.124	0.086	0.576	0.847
M - F, 4, 21	-0.009 -0.011	-0.011 0.95	-0.124	0.086	0.576	0.847

Parameter	Median	Mean Mean.1	CI CI_low	CI_high pd pval	
:	:	: : -	: : -	: :	
f.layer4 - f.layer2, F, 11	0.002	0.002 0.002	0.95 -0.016	0.019 0.611 0.778	
f.layer4 - f.layer2, M, 11	0.002	0.002 0.002	0.95 -0.016	0.019 0.611 0.778	
f.layer4 - f.layer2, F, 13	-0.013 -	0.012 -0.012	0.95 -0.035	0.014 0.831 0.339	

```
|f.layer4 - f.layer2, M, 13 | -0.013| -0.012| -0.012| 0.95| -0.035| 0.014| 0.831| 0.339|
|f.layer4 - f.layer2, F, 15 | -0.024| -0.024| -0.024| 0.95| -0.054| 0.006| 0.940| 0.120|
|f.layer4 - f.layer2, M, 15 | -0.024| -0.024| -0.024| 0.95| -0.054| 0.006| 0.940| 0.120|
|f.layer4 - f.layer2, F, 18 | 0.051| 0.051| 0.051| 0.95| -0.003| 0.104| 0.967| 0.065|
|f.layer4 - f.layer2, M, 18 | 0.051| 0.051| 0.051| 0.95| -0.003| 0.104| 0.967| 0.065|
|f.layer4 - f.layer2, F, 21 | 0.031| 0.031| 0.031| 0.95| -0.032| 0.093| 0.841| 0.318|
|f.layer4 - f.layer2, M, 21 | 0.031| 0.031| 0.031| 0.95| -0.032| 0.093| 0.841| 0.318|
```

Figure Supp 3 - Kmean CovM - subntwork

```
Table: ANOVA table before bootstrapping
               F | Df | Df.res | Pr(>F) |
|:----:|--:|--:|--:|
|(Intercept) | 238.602| 1| 92.229| 0.000|
|f.age | 5.925| 4| 412.941| 0.000|
         | 1.179| 1| 26.615| 0.287|
sex
|f.layer | 0.853| 1| 376.292| 0.356|
Table: Main effect after bootstrapping
              | Median| Mean| CI| CI low| CI high|
Parameter
|:----:|----:|----:|----:|----:|----:|----:|----:|----:|----:|
|f.age11 - f.age13 | -0.945 | -0.940 | 0.95 | -1.623 | -0.217 | 0.994 | 0.012 |
|f.age11 - f.age15 | -1.068 | -1.047 | 0.95 | -1.967 | -0.042 | 0.980 | 0.041 |
|f.age11 - f.age18 | -0.562 | -0.563 | 0.95 | -1.417 | 0.267 | 0.908 | 0.184 |
|f.age11 - f.age21 | 0.580| 0.603| 0.95| -0.459| 1.780| 0.857| 0.285|
|f.age13 - f.age21 | 1.525| 1.542| 0.95| 0.759| 2.409| 1.000| 0.000|
|f.age15 - f.age18 | 0.488 | 0.484 | 0.95 | -0.280 | 1.262 | 0.891 | 0.219 |
|f.age15 - f.age21 | 1.641 | 1.650 | 0.95 | 0.767 | 2.565 | 1.000 | 0.000 |
|f.age18 - f.age21 | 1.151 | 1.166 | 0.95 | 0.560 | 1.864 | 1.000 | 0.000 |
|Parameter | Median | Mean | CI | CI_low | CI_high | pd | pval |
|:----:|----:|----:|----:|----:|----:|----:|
|F - M | 0.305| 0.304| 0.95| -0.209| 0.816| 0.878| 0.244|
|Parameter | Median | Mean | CI | CI_low | CI_high | pd | pval |
|f.layer2 - f.layer4 | -0.217 | -0.21 | 0.95 | -0.576 | 0.203 | 0.856 | 0.289 |
```

•	Median					CI_high		pval
:								
f.age11 - f.age13, F, 2								:
f.age11 - f.age15, F, 2								
f.age11 - f.age18, F, 2	:							0.184
f.age11 - f.age21, F, 2	: :			:	-0.459	: :		0.285
f.age13 - f.age15, F, 2	: :							0.726
f.age13 - f.age18, F, 2	: :				-0.378			0.283
f.age13 - f.age21, F, 2	: :			0.95				0.000
f.age15 - f.age18, F, 2	: :			:	-0.280	: :		0.219
f.age15 - f.age21, F, 2				0.95				0.000
f.age18 - f.age21, F, 2					0.560			0.000
f.age11 - f.age13, M, 2	-0.945	-0.940	-0.940	0.95	-1.623	-0.217	0.994	0.012
f.age11 - f.age15, M, 2	-1.068	-1.047	-1.047	0.95	-1.967	-0.042	0.980	0.041
f.age11 - f.age18, M, 2	-0.562		-0.563	0.95	-1.417	0.267	0.908	0.184
f.age11 - f.age21, M, 2	0.580	0.603	0.603	0.95	-0.459	1.780	0.857	0.285
f.age13 - f.age15, M, 2	-0.115	-0.108	-0.108	0.95	-0.749	0.571	0.637	0.726
f.age13 - f.age18, M, 2	0.394	0.377	0.377	0.95	-0.378	1.032	0.859	0.283
f.age13 - f.age21, M, 2	1.525	1.542	1.542	0.95	0.759	2.409	1.000	0.000
f.age15 - f.age18, M, 2	0.488	0.484	0.484	0.95	-0.280	1.262	0.891	0.219
f.age15 - f.age21, M, 2	1.641	1.650	1.650	0.95	0.767	2.565	1.000	0.000
f.age18 - f.age21, M, 2	1.151	1.166	1.166	0.95	0.560	1.864	1.000	0.000
f.age11 - f.age13, F, 4	-0.945	-0.940	-0.940	0.95	-1.623	-0.217	0.994	0.012
f.age11 - f.age15, F, 4	-1.068	-1.047	-1.047	0.95	-1.967	-0.042	0.980	0.041
f.age11 - f.age18, F, 4	-0.562	-0.563	-0.563	0.95	-1.417	0.267	0.908	0.184
f.age11 - f.age21, F, 4	0.580	0.603	0.603	0.95	-0.459	1.780	0.857	0.285
f.age13 - f.age15, F, 4	-0.115	-0.108	-0.108	0.95	-0.749	0.571	0.637	0.726
f.age13 - f.age18, F, 4	0.394	0.377	0.377	0.95	-0.378	1.032	0.859	0.283
f.age13 - f.age21, F, 4	1.525	1.542	1.542	0.95	0.759	2.409	1.000	0.000
f.age15 - f.age18, F, 4	0.488	0.484	0.484	0.95	-0.280	1.262	0.891	0.219
f.age15 - f.age21, F, 4	1.641	1.650	1.650	0.95	0.767	2.565	1.000	0.000
f.age18 - f.age21, F, 4	1.151	1.166	1.166	0.95	0.560	1.864	1.000	0.000
f.age11 - f.age13, M, 4	-0.945	-0.940	-0.940	0.95	-1.623	-0.217	0.994	0.012
f.age11 - f.age15, M, 4	-1.068	-1.047	-1.047	0.95	-1.967	-0.042	0.980	0.041
f.age11 - f.age18, M, 4	-0.562	-0.563	-0.563	0.95	-1.417	0.267	0.908	0.184
f.age11 - f.age21, M, 4	0.580	0.603	0.603	0.95	-0.459	1.780	0.857	0.285
f.age13 - f.age15, M, 4	-0.115	-0.108	-0.108	0.95	-0.749	0.571	0.637	0.726
f.age13 - f.age18, M, 4	: :				-0.378			0.283
f.age13 - f.age21, M, 4	: :			0.95				0.000
f.age15 - f.age18, M, 4	: :				-0.280			0.219
f.age15 - f.age21, M, 4	: :			0.95		: :		0.000
f.age18 - f.age21, M, 4	: :				0.560			0.000
, 5							1	1

Parameter	Median	Mean	Mean.1	CI	CI_low	CI_high	pd	pval
:	:	: -	: -	:	:	: -	:	:
M - F, 2, 11	-0.305 -	-0.304	-0.304	0.95	-0.816	0.209	0.878	0.244
M - F, 4, 11	-0.305 -	-0.304	-0.304	0.95	-0.816	0.209	0.878	0.244
M - F, 2, 13	-0.305 -	-0.304	-0.304	0.95	-0.816	0.209	0.878	0.244
M - F, 4, 13	-0.305 -	-0.304	-0.304	0.95	-0.816	0.209	0.878	0.244
M - F, 2, 15	-0.305 -	-0.304	-0.304	0.95	-0.816	0.209	0.878	0.244
M - F, 4, 15	-0.305 -	-0.304	-0.304	0.95	-0.816	0.209	0.878	0.244
M - F, 2, 18	-0.305 -	-0.304	-0.304	0.95	-0.816	0.209	0.878	0.244
M - F, 4, 18	-0.305 -	-0.304	-0.304	0.95	-0.816	0.209	0.878	0.244
M - F, 2, 21	-0.305 -	-0.304	-0.304	0.95	-0.816	0.209	0.878	0.244
M - F, 4, 21	-0.305 -	-0.304	-0.304	0.95	-0.816	0.209	0.878	0.244

Parameter	Median Mean M	Mean.1 CI CI_low	CI_high pd pval
:	- : :	: : -	: :
f.layer4 - f.layer2, F, 11	0.217 0.21	0.21 0.95 -0.203	0.576 0.856 0.289
f.layer4 - f.layer2, M, 11	0.217 0.21	0.21 0.95 -0.203	0.576 0.856 0.289
f.layer4 - f.layer2, F, 13	0.217 0.21	0.21 0.95 -0.203	0.576 0.856 0.289

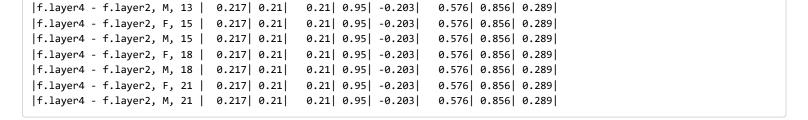


Figure Supp 3 - Kmean_Cosine

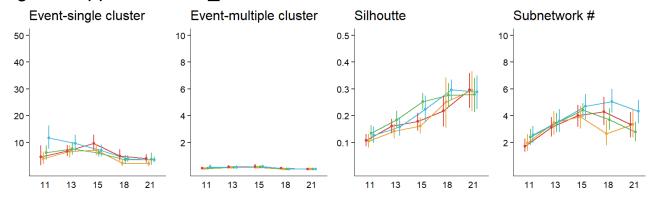


Figure Supp 3 - Kmean_Cosine - Silhouette

```
Table: ANOVA table before bootstrapping
                   F | Df | Df.res | Pr(>F) |
|:----:|---:|--:|
|(Intercept) | 40.489 | 1 | 65.734 | 0.000 |
|f.age
            | 18.587|
                      4 | 391.193 | 0.000 |
            | 0.022 | 1 | 61.477 | 0.882 |
sex
f.layer
            0.678 1 363.416 0.411
           | 3.268| 4| 393.487| 0.012|
f.age:sex
Table: Main effect after bootstrapping
                  | Median| Mean| CI| CI_low| CI_high| | | |
|f.age11 - f.age13 | -0.043 | -0.043 | 0.95 | -0.068 | -0.021 | 1.000 | 0.000 |
|f.age11 - f.age15 | -0.093 | -0.094 | 0.95 | -0.126 | -0.067 | 1.000 | 0.000 |
|f.age11 - f.age18 | -0.153| -0.154| 0.95| -0.199| -0.115| 1.000| 0.000|
|f.age11 - f.age21 | -0.191 | -0.193 | 0.95 | -0.245 | -0.151 | 1.000 | 0.000 |
|f.age13 - f.age15 | -0.051 | -0.051 | 0.95 | -0.075 | -0.028 | 1.000 | 0.000 |
|f.age13 - f.age18 | -0.110 | -0.111 | 0.95 | -0.158 | -0.073 | 1.000 | 0.000 |
|f.age13 - f.age21 | -0.149 | -0.150 | 0.95 | -0.199 | -0.108 | 1.000 | 0.000 |
|f.age15 - f.age18 | -0.058 | -0.060 | 0.95 | -0.110 | -0.023 | 1.000 | 0.000 |
|f.age15 - f.age21 | -0.096 | -0.099 | 0.95 | -0.152 | -0.058 | 1.000 | 0.000 |
|f.age18 - f.age21 | -0.039 | -0.039 | 0.95 | -0.074 | -0.004 | 0.982 | 0.035 |
|\texttt{Parameter} \mid \texttt{Median}| \quad \texttt{Mean}| \quad \texttt{CI}| \quad \texttt{CI\_low}| \quad \texttt{CI\_high}| \quad \quad \texttt{pd}| \quad \texttt{pval}| |
|---|---|---|---|---|---|---|---|
|F - M | -0.017| -0.017| 0.95| -0.063| 0.031| 0.761| 0.477|
                  | Median| Mean| CI| CI_low| CI_high|
|f.layer2 - f.layer4 | 0.007 | 0.007 | 0.95 | -0.01 | 0.023 | 0.792 | 0.416 |
```

						CI_high		pval
:								
f.age11 - f.age13, F, 2								
f.age11 - f.age15, F, 2	: :							
f.age11 - f.age18, F, 2								
f.age11 - f.age21, F, 2								
f.age13 - f.age15, F, 2								0.208
f.age13 - f.age18, F, 2							:	
f.age13 - f.age21, F, 2	-0.158	-0.161	-0.161	0.95	-0.241	-0.104	1.000	0.000
f.age15 - f.age18, F, 2	-0.084	-0.090	-0.090	0.95	-0.187	-0.042	1.000	0.000
f.age15 - f.age21, F, 2	-0.135	-0.141	-0.141	0.95	-0.231	-0.090	1.000	0.000
f.age18 - f.age21, F, 2	-0.053	-0.051	-0.051	0.95	-0.099	0.006	0.968	0.064
f.age11 - f.age13, M, 2	-0.048	-0.049	-0.049	0.95	-0.089	-0.013	0.997	0.006
f.age11 - f.age15, M, 2	-0.130	-0.131	-0.131	0.95	-0.179	-0.092	1.000	0.000
f.age11 - f.age18, M, 2	-0.161	-0.161	-0.161	0.95	-0.212	-0.106	1.000	0.000
f.age11 - f.age21, M, 2	-0.186	-0.188	-0.188	0.95	-0.252	-0.135	1.000	0.000
f.age13 - f.age15, M, 2	-0.082	-0.082	-0.082	0.95	-0.118	-0.050	1.000	0.000
f.age13 - f.age18, M, 2	-0.112	-0.112	-0.112	0.95	-0.163	-0.060	1.000	0.000
f.age13 - f.age21, M, 2	-0.138	-0.139	-0.139	0.95	-0.203	-0.081	1.000	0.000
f.age15 - f.age18, M, 2	-0.030	-0.030	-0.030	0.95	-0.080	0.023	0.875	0.249
f.age15 - f.age21, M, 2	-0.055	-0.056	-0.056	0.95	-0.124	0.003	0.969	0.062
f.age18 - f.age21, M, 2	-0.024	-0.027	-0.027	0.95	-0.081	0.015	0.877	0.245
f.age11 - f.age13, F, 4	-0.037	-0.037	-0.037	0.95	-0.064	-0.012	0.998	0.004
f.age11 - f.age15, F, 4							1.000	0.001
f.age11 - f.age18, F, 4	-0.144	-0.147	-0.147	0.95	-0.227	-0.092	1.000	0.000
f.age11 - f.age21, F, 4							1.000	0.000
f.age13 - f.age15, F, 4	: :			:			0.896	0.208
f.age13 - f.age18, F, 4	-0.107	-0.110	-0.110	0.95	-0.193	-0.056	1.000	0.000
f.age13 - f.age21, F, 4								
f.age15 - f.age18, F, 4							:	
f.age15 - f.age21, F, 4	: :						:	
f.age18 - f.age21, F, 4							0.968	
f.age11 - f.age13, M, 4							:	
f.age11 - f.age15, M, 4	: :			:			:	
f.age11 - f.age18, M, 4								
f.age11 - f.age21, M, 4	: :			:		:	:	
f.age13 - f.age15, M, 4								
f.age13 - f.age18, M, 4								
f.age13 - f.age21, M, 4							:	
f.age15 - f.age18, M, 4							0.875	
f.age15 - f.age21, M, 4	: :			:				0.062
f.age18 - f.age21, M, 4								0.245
1.age10 - T.age21, M, 4	-0.024	-0.02/	-0.02/	35. 0	-0.061	ןכדמים	۱۰۵//	v.245

Parameter	Median Mean	Mean.1 CI	CI_low	CI_high	pd	pval
:	: : -	: :	:	:	: -	:
M - F, 2, 11	-0.001 -0.001	-0.001 0.95	-0.043	0.041	0.516	0.967
M - F, 4, 11	-0.001 -0.001	-0.001 0.95	-0.043	0.041	0.516	0.967
M - F, 2, 13	0.011 0.011	0.011 0.95	-0.033	0.055	0.683	0.634
M - F, 4, 13	0.011 0.011	0.011 0.95	-0.033	0.055	0.683	0.634
M - F, 2, 15	0.073 0.073	0.073 0.95	0.017	0.130	0.994	0.012
M - F, 4, 15	0.073 0.073	0.073 0.95	0.017	0.130	0.994	0.012
M - F, 2, 18	0.016 0.013	0.013 0.95	-0.083	0.091	0.651	0.699
M - F, 4, 18	0.016 0.013	0.013 0.95	-0.083	0.091	0.651	0.699
M - F, 2, 21	-0.010 -0.012	-0.012 0.95	-0.112	0.079	0.590	0.820
M - F, 4, 21	-0.010 -0.012	-0.012 0.95	-0.112	0.079	0.590	0.820

Parameter	Median Mean	Mean.1 CI	CI_low CI_h	nigh pd pval
:	:	:	:	: :
f.layer4 - f.layer2, F, 11	-0.007 -0.007	-0.007 0.95	-0.023 6	0.01 0.792 0.416
f.layer4 - f.layer2, M, 11	-0.007 -0.007	-0.007 0.95	-0.023 6	0.01 0.792 0.416
f.layer4 - f.layer2, F, 13	-0.007 -0.007	-0.007 0.95	-0.023 6	0.01 0.792 0.416

Figure Supp 3 - Kmean_Cosine - subntwork

```
Table: ANOVA table before bootstrapping
                F| Df| Df.res| Pr(>F)|
|:----:|---:|--:|--:|
|(Intercept) | 37.560| 1| 54.753| 0.000|
|f.age | 15.482| 4| 406.122| 0.000|
          | 0.982 | 1 | 30.740 | 0.329 |
sex
|f.layer | 3.051| 1| 369.236| 0.082|
Table: Main effect after bootstrapping
               | Median| Mean| CI| CI low| CI high|
Parameter
|:----:|----:|----:|----:|----:|----:|----:|----:|----:|----:|
|f.age11 - f.age13 | -1.153 | -1.158 | 0.95 | -1.644 | -0.694 | 1.000 | 0.000 |
|f.age11 - f.age15 | -1.879 | -1.873 | 0.95 | -2.426 | -1.308 | 1.000 | 0.000 |
|f.age11 - f.age18 | -1.362 | -1.356 | 0.95 | -1.917 | -0.764 | 1.000 | 0.000 |
|f.age11 - f.age21 | -1.063 | -1.062 | 0.95 | -1.619 | -0.496 | 1.000 | 0.000 |
|f.age13 - f.age15 | -0.725| -0.715| 0.95| -1.221| -0.147| 0.994| 0.013|
|f.age13 - f.age18 | -0.203| -0.198| 0.95| -0.836| 0.486| 0.737| 0.527|
|f.age13 - f.age21 | 0.095 | 0.096 | 0.95 | -0.435 | 0.620 | 0.646 | 0.708 |
|f.age15 - f.age18 | 0.523 | 0.517 | 0.95 | -0.142 | 1.143 | 0.940 | 0.120 |
|f.age15 - f.age21 | 0.807 | 0.811 | 0.95 | 0.251 | 1.361 | 0.997 | 0.005 |
|f.age18 - f.age21 | 0.301 | 0.294 | 0.95 | -0.338 | 0.870 | 0.833 | 0.334 |
|Parameter | Median | Mean | CI | CI_low | CI_high | pd | pval |
|:----:|----:|----:|----:|----:|----:|----:|
|F - M | -0.361| -0.355| 0.95| -0.921| 0.243| 0.883| 0.234|
|Parameter | Median | Mean | CI | CI_low | CI_high | pd | pval |
|f.layer2 - f.layer4 | -0.294 | -0.29 | 0.95 | -0.63 | 0.07 | 0.941 | 0.118 |
```

•					_	CI_high		pval
:								
f.age11 - f.age13, F, 2								
f.age11 - f.age15, F, 2								
f.age11 - f.age18, F, 2								:
f.age11 - f.age21, F, 2	: :			:				:
f.age13 - f.age15, F, 2	: :							:
f.age13 - f.age18, F, 2	: :							0.527
f.age13 - f.age21, F, 2	: :				-0.435			0.708
f.age15 - f.age18, F, 2	: :	0.517		:	-0.142	:	:	0.120
f.age15 - f.age21, F, 2								0.005
f.age18 - f.age21, F, 2								0.334
f.age11 - f.age13, M, 2								0.000
f.age11 - f.age15, M, 2	: :			:		: :		0.000
f.age11 - f.age18, M, 2	: :			:		:		
f.age11 - f.age21, M, 2	-1.063	-1.062	-1.062	0.95	-1.619	-0.496	1.000	0.000
f.age13 - f.age15, M, 2	: :			:		: :		:
f.age13 - f.age18, M, 2	-0.203	-0.198	-0.198	0.95	-0.836	0.486	0.737	0.527
f.age13 - f.age21, M, 2	0.095	0.096	0.096	0.95	-0.435	0.620	0.646	0.708
f.age15 - f.age18, M, 2		0.517	0.517	0.95	-0.142	1.143	0.940	0.120
f.age15 - f.age21, M, 2	0.807	0.811	0.811	0.95	0.251	1.361	0.997	0.005
f.age18 - f.age21, M, 2	0.301	0.294	0.294	0.95	-0.338	0.870	0.833	0.334
f.age11 - f.age13, F, 4	-1.153	-1.158	-1.158	0.95	-1.644	-0.694	1.000	0.000
f.age11 - f.age15, F, 4	-1.879	-1.873	-1.873	0.95	-2.426	-1.308	1.000	0.000
f.age11 - f.age18, F, 4	-1.362	-1.356	-1.356	0.95	-1.917	-0.764	1.000	0.000
f.age11 - f.age21, F, 4	-1.063	-1.062	-1.062	0.95	-1.619	-0.496	1.000	0.000
f.age13 - f.age15, F, 4	-0.725	-0.715	-0.715	0.95	-1.221	-0.147	0.994	0.013
f.age13 - f.age18, F, 4	-0.203	-0.198	-0.198	0.95	-0.836	0.486	0.737	0.527
f.age13 - f.age21, F, 4	0.095	0.096	0.096	0.95	-0.435	0.620	0.646	0.708
f.age15 - f.age18, F, 4	0.523	0.517	0.517	0.95	-0.142	1.143	0.940	0.120
f.age15 - f.age21, F, 4	0.807	0.811	0.811	0.95	0.251	1.361	0.997	0.005
f.age18 - f.age21, F, 4	0.301	0.294	0.294	0.95	-0.338	0.870	0.833	0.334
f.age11 - f.age13, M, 4	-1.153	-1.158	-1.158	0.95	-1.644	-0.694	1.000	0.000
f.age11 - f.age15, M, 4	-1.879	-1.873	-1.873	0.95	-2.426	-1.308	1.000	0.000
f.age11 - f.age18, M, 4	-1.362	-1.356	-1.356	0.95	-1.917	-0.764	1.000	0.000
f.age11 - f.age21, M, 4	-1.063	-1.062	-1.062	0.95	-1.619	-0.496	1.000	0.000
f.age13 - f.age15, M, 4	-0.725	-0.715	-0.715	0.95	-1.221	-0.147	0.994	0.013
f.age13 - f.age18, M, 4	-0.203	-0.198	-0.198	0.95	-0.836	0.486	0.737	0.527
f.age13 - f.age21, M, 4	0.095	0.096	0.096	0.95	-0.435	0.620	0.646	0.708
f.age15 - f.age18, M, 4	0.523	0.517	0.517	0.95	-0.142	1.143	0.940	0.120
f.age15 - f.age21, M, 4	0.807	0.811	0.811	0.95	0.251	1.361	0.997	0.005
f.age18 - f.age21, M, 4	0.301	0.294	0.294	0.95	-0.338	0.870	0.833	0.334
·	•					•		

Parameter	Median Mean	Mean.1 CI	CI_low CI_hi	gh pd pval
:	: :	: :	:	:: :
M - F, 2, 11	0.361 0.355	0.355 0.95	-0.243 0.92	21 0.883 0.234
M - F, 4, 11	0.361 0.355	0.355 0.95	-0.243 0.92	21 0.883 0.234
M - F, 2, 13	0.361 0.355	0.355 0.95	-0.243 0.92	21 0.883 0.234
M - F, 4, 13	0.361 0.355	0.355 0.95	-0.243 0.92	21 0.883 0.234
M - F, 2, 15	0.361 0.355	0.355 0.95	-0.243 0.92	21 0.883 0.234
M - F, 4, 15	0.361 0.355	0.355 0.95	-0.243 0.92	21 0.883 0.234
M - F, 2, 18	0.361 0.355	0.355 0.95	-0.243 0.92	21 0.883 0.234
M - F, 4, 18	0.361 0.355	0.355 0.95	-0.243 0.92	21 0.883 0.234
M - F, 2, 21	0.361 0.355	0.355 0.95	-0.243 0.92	21 0.883 0.234
M - F, 4, 21	0.361 0.355	0.355 0.95	-0.243 0.92	21 0.883 0.234

Parameter	Median	Mean Mean.1	CI CI_low	CI_high pd pval
:	- : -	: :	: :	: : :
f.layer4 - f.layer2, F, 11	0.294	0.29 0.29	0.95 -0.07	0.63 0.941 0.118
f.layer4 - f.layer2, M, 11	0.294	0.29 0.29	0.95 -0.07	0.63 0.941 0.118
f.layer4 - f.layer2, F, 13	0.294	0.29 0.29	0.95 -0.07	0.63 0.941 0.118

```
|f.layer4 - f.layer2, M, 13 | 0.294 | 0.29|
                                                 0.29 | 0.95 |
                                                              -0.07
                                                                          0.63 | 0.941 | 0.118 |
|f.layer4 - f.layer2, F, 15 | 0.294 | 0.29|
                                                                          0.63 | 0.941 | 0.118 |
                                                 0.29 | 0.95 |
                                                              -0.07
|f.layer4 - f.layer2, M, 15 | 0.294 | 0.29 |
                                                 0.29 | 0.95 | -0.07 |
                                                                          0.63 | 0.941 | 0.118 |
|f.layer4 - f.layer2, F, 18 | 0.294 | 0.29|
                                                 0.29 | 0.95 | -0.07 |
                                                                          0.63 | 0.941 | 0.118 |
|f.layer4 - f.layer2, M, 18 | 0.294| 0.29|
                                                                         0.63 | 0.941 | 0.118 |
                                                 0.29 | 0.95 | -0.07 |
|f.layer4 - f.layer2, F, 21 | 0.294 | 0.29|
                                                 0.29 | 0.95 |
                                                              -0.07
                                                                         0.63 | 0.941 | 0.118 |
|f.layer4 - f.layer2, M, 21 | 0.294 | 0.29 |
                                                0.29 | 0.95 | -0.07 |
                                                                         0.63 | 0.941 | 0.118 |
```

Figure Supp 3 - Kmean Jaccard

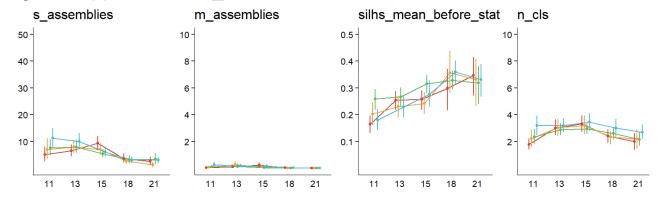


Figure Supp 3 - Kmean_Jaccard - Silhouette

```
Table: ANOVA table before bootstrapping
                  F| Df| Df.res| Pr(>F)|
|:----:|---:|
|(Intercept) | 125.810| 1| 78.028| 0.000|
|f.age
           | 29.304 | 4 | 397.045 | 0.000 |
           0.369 1 40.124 0.547
sex
|f.layer
           1.522 1 348.762 0.218
Table: Main effect after bootstrapping
                | Median | Mean | CI | CI_low | CI_high | | | |
|f.age11 - f.age13 | -0.030| -0.030| 0.95| -0.067| 0.009| 0.937| 0.126|
|f.age11 - f.age15 | -0.080| -0.081| 0.95| -0.113| -0.049| 1.000| 0.000|
|f.age11 - f.age18 | -0.149 | -0.149 | 0.95 | -0.186 | -0.114 | 1.000 | 0.000 |
|f.age11 - f.age21 | -0.173 | -0.174 | 0.95 | -0.226 | -0.131 | 1.000 | 0.000 |
|f.age13 - f.age15 | -0.051 | -0.051 | 0.95 | -0.090 | -0.012 | 0.995 | 0.011 |
|f.age13 - f.age18 | -0.120 | -0.120 | 0.95 | -0.158 | -0.082 | 1.000 | 0.000 |
|f.age13 - f.age21 | -0.144| -0.145| 0.95| -0.192| -0.103| 1.000| 0.000|
|f.age15 - f.age18 | -0.068 | -0.069 | 0.95 | -0.109 | -0.032 | 1.000 | 0.000 |
|f.age15 - f.age21 | -0.092 | -0.094 | 0.95 | -0.149 | -0.048 | 1.000 | 0.000 |
|f.age18 - f.age21 | -0.024 | -0.025 | 0.95 | -0.062 |
                                              0.006 | 0.941 | 0.118 |
|Parameter | Median | Mean | CI | CI_low | CI_high | pd | pval |
|:----:|----:|----:|----:|----:|----:|----:|
|F - M | -0.01| -0.01| 0.95| -0.043| 0.023| 0.731| 0.538|
                  | Median| Mean| CI| CI_low| CI_high|
|f.layer2 - f.layer4 | 0.012 | 0.012 | 0.95 | -0.006 | 0.031 | 0.897 | 0.206 |
```

						CI_high		pval
:								
f.age11 - f.age13, F, 2								
f.age11 - f.age15, F, 2	: :						:	:
f.age11 - f.age18, F, 2								
f.age11 - f.age21, F, 2								
f.age13 - f.age15, F, 2								
f.age13 - f.age18, F, 2							:	
f.age13 - f.age21, F, 2							:	
f.age15 - f.age18, F, 2	: :			:			:	
f.age15 - f.age21, F, 2	-0.092	-0.094	-0.094	0.95	-0.149	-0.048	1.000	0.000
f.age18 - f.age21, F, 2	-0.024	-0.025	-0.025	0.95	-0.062	0.006	0.941	0.118
f.age11 - f.age13, M, 2	-0.030	-0.030	-0.030	0.95	-0.067	0.009	0.937	0.126
f.age11 - f.age15, M, 2	-0.080	-0.081	-0.081	0.95	-0.113	-0.049	1.000	0.000
f.age11 - f.age18, M, 2	-0.149	-0.149	-0.149	0.95	-0.186	-0.114	1.000	0.000
f.age11 - f.age21, M, 2	-0.173	-0.174	-0.174	0.95	-0.226	-0.131	1.000	0.000
f.age13 - f.age15, M, 2	-0.051	-0.051	-0.051	0.95	-0.090	-0.012	0.995	0.011
f.age13 - f.age18, M, 2	-0.120	-0.120	-0.120	0.95	-0.158	-0.082	1.000	0.000
f.age13 - f.age21, M, 2	-0.144	-0.145	-0.145	0.95	-0.192	-0.103	1.000	0.000
f.age15 - f.age18, M, 2							1.000	0.000
f.age15 - f.age21, M, 2	-0.092	-0.094	-0.094	0.95	-0.149	-0.048	1.000	0.000
f.age18 - f.age21, M, 2	-0.024	-0.025	-0.025	0.95	-0.062	0.006	0.941	0.118
f.age11 - f.age13, F, 4	-0.030	-0.030	-0.030	0.95	-0.067	0.009	0.937	0.126
f.age11 - f.age15, F, 4							1.000	0.000
f.age11 - f.age18, F, 4							:	
f.age11 - f.age21, F, 4							1.000	0.000
f.age13 - f.age15, F, 4	: :			:			:	
f.age13 - f.age18, F, 4	: :						:	
f.age13 - f.age21, F, 4								
f.age15 - f.age18, F, 4	: :			:			:	
f.age15 - f.age21, F, 4	: :						:	
f.age18 - f.age21, F, 4							:	0.118
f.age11 - f.age13, M, 4							:	0.126
f.age11 - f.age15, M, 4	: :			:			:	
f.age11 - f.age18, M, 4								
f.age11 - f.age21, M, 4	: :			:		:	:	
f.age13 - f.age15, M, 4								
f.age13 - f.age18, M, 4								
f.age13 - f.age21, M, 4							:	
f.age15 - f.age18, M, 4								
f.age15 - f.age21, M, 4								
f.age18 - f.age21, M, 4								
1.age10 - T.age21, M, 4	-0.024	-6.625	-0.025	35. 0	-0.002	ן סטט. ט	0.941	A.118

Parameter	Median Mean	Mean.1 CI	CI_low	CI_high	pd	pval
:	: :	: :	:	: -	: -	:
M - F, 2, 11	0.01 0.01	0.01 0.95	-0.023	0.043	0.731	0.538
M - F, 4, 11	0.01 0.01	0.01 0.95	-0.023	0.043	0.731	0.538
M - F, 2, 13	0.01 0.01	0.01 0.95	-0.023	0.043	0.731	0.538
M - F, 4, 13	0.01 0.01	0.01 0.95	-0.023	0.043	0.731	0.538
M - F, 2, 15	0.01 0.01	0.01 0.95	-0.023	0.043	0.731	0.538
M - F, 4, 15	0.01 0.01	0.01 0.95	-0.023	0.043	0.731	0.538
M - F, 2, 18	0.01 0.01	0.01 0.95	-0.023	0.043	0.731	0.538
M - F, 4, 18	0.01 0.01	0.01 0.95	-0.023	0.043	0.731	0.538
M - F, 2, 21	0.01 0.01	0.01 0.95	-0.023	0.043	0.731	0.538
M - F, 4, 21	0.01 0.01	0.01 0.95	-0.023	0.043	0.731	0.538

Parameter	Median Mean	n Mean.1 CI	CI_low CI_high	pd pval
:	:	: : -	: :	: :
f.layer4 - f.layer2, F, 11	-0.012 -0.013	2 -0.012 0.95	-0.031 0.006	0.897 0.206
f.layer4 - f.layer2, M, 11	-0.012 -0.013	2 -0.012 0.95	-0.031 0.006	0.897 0.206
f.layer4 - f.layer2, F, 13	-0.012 -0.01	2 -0.012 0.95	-0.031 0.006	0.897 0.206

```
|f.layer4 - f.layer2, M, 13 | -0.012| -0.012| -0.012| 0.95| -0.031| 0.006| 0.897| 0.206| |f.layer4 - f.layer2, F, 15 | -0.012| -0.012| -0.012| 0.95| -0.031| 0.006| 0.897| 0.206| |f.layer4 - f.layer2, M, 15 | -0.012| -0.012| -0.012| 0.95| -0.031| 0.006| 0.897| 0.206| |f.layer4 - f.layer2, F, 18 | -0.012| -0.012| -0.012| 0.95| -0.031| 0.006| 0.897| 0.206| |f.layer4 - f.layer2, M, 18 | -0.012| -0.012| -0.012| 0.95| -0.031| 0.006| 0.897| 0.206| |f.layer4 - f.layer2, F, 21 | -0.012| -0.012| -0.012| 0.95| -0.031| 0.006| 0.897| 0.206| |f.layer4 - f.layer2, M, 21 | -0.012| -0.012| -0.012| 0.95| -0.031| 0.006| 0.897| 0.206|
```

Figure Supp 3 - Kmean_Jaccard - subntwork

```
Table: ANOVA table before bootstrapping
                 F | Df | Df.res | Pr(>F) |
|:----:|---:|--:|--:|--:|
|(Intercept) | 133.505| 1| 147.119| 0.000|
|f.age | 6.006| 4| 372.817| 0.000|
          3.192 1 28.494 0.085
sex
|f.layer | 5.689| 1| 412.377| 0.018|
Table: Main effect after bootstrapping
               | Median| Mean| CI| CI low| CI high|
Parameter
|:----:|----:|----:|----:|----:|----:|----:|----:|----:|----:|
|f.age11 - f.age13 | -0.552 | -0.553 | 0.95 | -0.933 | -0.169 | 0.997 | 0.006 |
|f.age11 - f.age15 | -0.779 | -0.768 | 0.95 | -1.246 | -0.252 | 0.998 | 0.004 |
|f.age11 - f.age18 | -0.112 | -0.105 | 0.95 | -0.559 | 0.366 | 0.678 | 0.643 |
|f.age11 - f.age21 | 0.158 | 0.167 | 0.95 | -0.305 | 0.666 | 0.749 | 0.503 |
|f.age13 - f.age15 | -0.219 | -0.216 | 0.95 | -0.553 | 0.146 | 0.885 | 0.229 |
|f.age13 - f.age18 | 0.445 | 0.448 | 0.95 | 0.032 | 0.886 | 0.983 | 0.034 |
|f.age13 - f.age21 | 0.715 | 0.719 | 0.95 | 0.342 | 1.132 | 1.000 | 0.000 |
|f.age15 - f.age18 | 0.661 | 0.664 | 0.95 | 0.230 | 1.115 | 1.000 | 0.001 |
|f.age15 - f.age21 | 0.931 | 0.935 | 0.95 | 0.592 | 1.292 | 1.000 | 0.000 |
|f.age18 - f.age21 | 0.278 | 0.271 | 0.95 | -0.170 | 0.660 | 0.896 | 0.209 |
|Parameter | Median | Mean | CI | CI_low | CI_high | pd | pval |
|:----:|----:|----:|----:|----:|----:|----:|
|F - M | -0.238 | -0.237 | 0.95 | -0.501 | 0.031 | 0.959 | 0.081 |
|Parameter | Median | Mean | CI | CI_low | CI_high | pd | pval |
|f.layer2 - f.layer4 | -0.343 | -0.344 | 0.95 | -0.617 | -0.072 | 0.993 | 0.013 |
```

•	Median				_	CI_high		pval
:								
f.age11 - f.age13, F, 2								
f.age11 - f.age15, F, 2								
f.age11 - f.age18, F, 2	:							0.643
f.age11 - f.age21, F, 2	: :				-0.305			0.503
f.age13 - f.age15, F, 2	: :							0.229
f.age13 - f.age18, F, 2	: :			0.95				0.034
f.age13 - f.age21, F, 2	: :			0.95				0.000
f.age15 - f.age18, F, 2	: :			0.95				0.001
f.age15 - f.age21, F, 2				0.95				0.000
f.age18 - f.age21, F, 2					-0.170			0.209
f.age11 - f.age13, M, 2	-0.552	-0.553	-0.553	0.95	-0.933	-0.169	0.997	0.006
f.age11 - f.age15, M, 2	-0.779	-0.768	-0.768	0.95	-1.246	-0.252	0.998	0.004
f.age11 - f.age18, M, 2	-0.112	-0.105	-0.105	0.95	-0.559	0.366	0.678	0.643
f.age11 - f.age21, M, 2	0.158	0.167	0.167	0.95	-0.305	0.666	0.749	0.503
f.age13 - f.age15, M, 2	-0.219	-0.216	-0.216	0.95	-0.553	0.146	0.885	0.229
f.age13 - f.age18, M, 2	0.445	0.448	0.448	0.95	0.032	0.886	0.983	0.034
f.age13 - f.age21, M, 2	0.715	0.719	0.719	0.95	0.342	1.132	1.000	0.000
f.age15 - f.age18, M, 2	0.661	0.664	0.664	0.95	0.230	1.115	1.000	0.001
f.age15 - f.age21, M, 2	0.931	0.935	0.935	0.95	0.592	1.292	1.000	0.000
f.age18 - f.age21, M, 2	0.278	0.271	0.271	0.95	-0.170	0.660	0.896	0.209
f.age11 - f.age13, F, 4	-0.552	-0.553	-0.553	0.95	-0.933	-0.169	0.997	0.006
f.age11 - f.age15, F, 4	-0.779	-0.768	-0.768	0.95	-1.246	-0.252	0.998	0.004
f.age11 - f.age18, F, 4	-0.112	-0.105	-0.105	0.95	-0.559	0.366	0.678	0.643
f.age11 - f.age21, F, 4	0.158	0.167	0.167	0.95	-0.305	0.666	0.749	0.503
f.age13 - f.age15, F, 4	-0.219	-0.216	-0.216	0.95	-0.553	0.146	0.885	0.229
f.age13 - f.age18, F, 4	0.445	0.448	0.448	0.95	0.032	0.886	0.983	0.034
f.age13 - f.age21, F, 4	0.715	0.719	0.719	0.95	0.342	1.132	1.000	0.000
f.age15 - f.age18, F, 4	0.661	0.664	0.664	0.95	0.230	1.115	1.000	0.001
f.age15 - f.age21, F, 4	0.931	0.935	0.935	0.95	0.592	1.292	1.000	0.000
f.age18 - f.age21, F, 4	0.278	0.271	0.271	0.95	-0.170	0.660	0.896	0.209
f.age11 - f.age13, M, 4	-0.552	-0.553	-0.553	0.95	-0.933	-0.169	0.997	0.006
f.age11 - f.age15, M, 4	-0.779	-0.768	-0.768	0.95	-1.246	-0.252	0.998	0.004
f.age11 - f.age18, M, 4	-0.112	-0.105	-0.105	0.95	-0.559	0.366	0.678	0.643
f.age11 - f.age21, M, 4	: :	0.167	0.167	0.95	-0.305	0.666	0.749	0.503
f.age13 - f.age15, M, 4	: :		-0.216			:		0.229
f.age13 - f.age18, M, 4				0.95				0.034
f.age13 - f.age21, M, 4	: :			0.95				0.000
f.age15 - f.age18, M, 4	: :			0.95		:		0.001
f.age15 - f.age21, M, 4	: :			0.95				0.000
f.age18 - f.age21, M, 4	: :				-0.170	:		0.209
1	, -:-/5					2.0001		

Parameter	Median Mean	Mean.1 CI	CI_low CI_hig	h pd pval
:	: : -	:	:	: :
M - F, 2, 11	0.238 0.237	0.237 0.95	-0.031 0.50	1 0.959 0.081
M - F, 4, 11	0.238 0.237	0.237 0.95	-0.031 0.50	1 0.959 0.081
M - F, 2, 13	0.238 0.237	0.237 0.95	-0.031 0.50	1 0.959 0.081
M - F, 4, 13	0.238 0.237	0.237 0.95	-0.031 0.50	1 0.959 0.081
M - F, 2, 15	0.238 0.237	0.237 0.95	-0.031 0.50	1 0.959 0.081
M - F, 4, 15	0.238 0.237	0.237 0.95	-0.031 0.50	1 0.959 0.081
M - F, 2, 18	0.238 0.237	0.237 0.95	-0.031 0.50	1 0.959 0.081
M - F, 4, 18	0.238 0.237	0.237 0.95	-0.031 0.50	1 0.959 0.081
M - F, 2, 21	0.238 0.237	0.237 0.95	-0.031 0.50	1 0.959 0.081
M - F, 4, 21	0.238 0.237	0.237 0.95	-0.031 0.50	1 0.959 0.081

Parameter	Median Mean	Mean.1 CI CI_low	CI_high pd pval
:	: -	: :	: : :
f.layer4 - f.layer2, F, 11	0.343 0.344	0.344 0.95 0.072	0.617 0.993 0.013
f.layer4 - f.layer2, M, 11	0.343 0.344	0.344 0.95 0.072	0.617 0.993 0.013
f.layer4 - f.layer2, F, 13	0.343 0.344	0.344 0.95 0.072	0.617 0.993 0.013

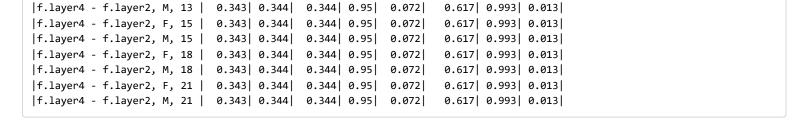


Figure Supp 3 - Community detection-uniform_CovM

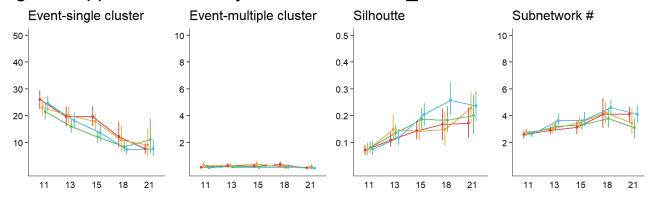


Figure Supp 3 - Community detection-uniform_CovM - Silhouette

```
Table: ANOVA table before bootstrapping
                 F | Df | Df.res | Pr(>F) |
|:----:|---:|--:|
|(Intercept) | 16.349 | 1 | 51.466 | 0.000 |
|f.age
           29.886
                     4 | 415.932 | 0.000 |
           0.026 1 31.966 0.874
sex
|f.layer
           | 2.568 | 1 | 375.991 | 0.110 |
Table: Main effect after bootstrapping
                 | Median | Mean | CI | CI_low | CI_high | | | |
|f.age11 - f.age13 | -0.055| -0.055| 0.95| -0.074| -0.037| 1.000| 0.000|
|f.age11 - f.age15 | -0.095 | -0.096 | 0.95 | -0.118 | -0.075 | 1.000 | 0.000 |
|f.age11 - f.age18 | -0.128 | -0.128 | 0.95 | -0.168 | -0.092 | 1.000 | 0.000 |
|f.age11 - f.age21 | -0.175 | -0.177 | 0.95 | -0.230 | -0.131 | 1.000 | 0.000 |
|f.age13 - f.age15 | -0.040 | -0.041 | 0.95 | -0.070 | -0.013 | 0.998 | 0.003 |
|f.age13 - f.age18 | -0.073 | -0.073 | 0.95 | -0.112 | -0.036 | 1.000 | 0.000 |
|f.age13 - f.age21 | -0.120 | -0.121 | 0.95 | -0.179 | -0.071 | 1.000 | 0.000 |
|f.age15 - f.age18 | -0.032| -0.032| 0.95| -0.073|
                                               0.003 | 0.960 | 0.081 |
|f.age15 - f.age21 | -0.080| -0.081| 0.95| -0.130| -0.038| 1.000| 0.000|
|f.age18 - f.age21 | -0.047 | -0.048 | 0.95 | -0.106 |
                                               0.004 | 0.964 | 0.071
|Parameter | Median | Mean | CI | CI_low | CI_high |
                                               pd| pval|
|:----:|----:|----:|----:|----:|----:|----:|
              0 0 0.95 -0.041 0.042 0.506 0.988
                   | Median | Mean | CI | CI_low | CI_high |
|f.layer2 - f.layer4 | -0.015 | -0.015 | 0.95 | -0.032 | 0.004 | 0.945 | 0.111 |
```

						CI_high		pval
:								
f.age11 - f.age13, F, 2								
f.age11 - f.age15, F, 2								
f.age11 - f.age18, F, 2								
f.age11 - f.age21, F, 2	: :						:	
f.age13 - f.age15, F, 2	: :							
f.age13 - f.age18, F, 2	: :							
f.age13 - f.age21, F, 2								
f.age15 - f.age18, F, 2							:	0.081
f.age15 - f.age21, F, 2								0.000
f.age18 - f.age21, F, 2						•		0.071
f.age11 - f.age13, M, 2	-0.055	-0.055	-0.055	0.95	-0.074	-0.037	1.000	0.000
f.age11 - f.age15, M, 2	-0.095	-0.096	-0.096	0.95	-0.118	-0.075	1.000	0.000
f.age11 - f.age18, M, 2							1.000	0.000
f.age11 - f.age21, M, 2	-0.175	-0.177	-0.177	0.95	-0.230	-0.131	1.000	0.000
f.age13 - f.age15, M, 2	-0.040	-0.041	-0.041	0.95	-0.070	-0.013	0.998	0.003
f.age13 - f.age18, M, 2	-0.073	-0.073	-0.073	0.95	-0.112	-0.036	1.000	0.000
f.age13 - f.age21, M, 2	-0.120	-0.121	-0.121	0.95	-0.179	-0.071	1.000	0.000
f.age15 - f.age18, M, 2	-0.032	-0.032	-0.032	0.95	-0.073	0.003	0.960	0.081
f.age15 - f.age21, M, 2	-0.080	-0.081	-0.081	0.95	-0.130	-0.038	1.000	0.000
f.age18 - f.age21, M, 2	-0.047	-0.048	-0.048	0.95	-0.106	0.004	0.964	0.071
f.age11 - f.age13, F, 4							1.000	0.000
f.age11 - f.age15, F, 4	-0.095	-0.096	-0.096	0.95	-0.118	-0.075	1.000	0.000
f.age11 - f.age18, F, 4	-0.128	-0.128	-0.128	0.95	-0.168	-0.092	1.000	0.000
f.age11 - f.age21, F, 4	-0.175	-0.177	-0.177	0.95	-0.230	-0.131	1.000	0.000
f.age13 - f.age15, F, 4	-0.040	-0.041	-0.041	0.95	-0.070	-0.013	0.998	0.003
f.age13 - f.age18, F, 4							1.000	0.000
f.age13 - f.age21, F, 4	: :						1.000	0.0001
f.age15 - f.age18, F, 4							:	0.081
f.age15 - f.age21, F, 4								:
f.age18 - f.age21, F, 4	: :						:	0.071
f.age11 - f.age13, M, 4	: :							0.000
f.age11 - f.age15, M, 4	: :			:			:	:
f.age11 - f.age18, M, 4								0.000
f.age11 - f.age21, M, 4	: :						:	0.000
f.age13 - f.age15, M, 4	: :							:
f.age13 - f.age18, M, 4						•		:
f.age13 - f.age16, M, 4	: :						:	:
f.age15 - f.age18, M, 4	: :							0.081
f.age15 - f.age21, M, 4	: :						:	
f.age18 - f.age21, M, 4	: :							0.071
	-0.04/	-0.040	-0.040	0.55	-0.100	0.004	0.304	0.0/1

Parameter	Median	Mean	Mean.1	CI CI_low	CI_high pd	pval
:	:	: -	: -	: :	: : -	:
M - F, 2, 11	0	0	0	0.95 -0.042	0.041 0.506	0.988
M - F, 4, 11	0	0	0	0.95 -0.042	0.041 0.506	0.988
M - F, 2, 13	0	0	0	0.95 -0.042	0.041 0.506	0.988
M - F, 4, 13	0	0	0	0.95 -0.042	0.041 0.506	0.988
M - F, 2, 15	0	0	0	0.95 -0.042	0.041 0.506	0.988
M - F, 4, 15	0	0	0	0.95 -0.042	0.041 0.506	0.988
M - F, 2, 18	0	0	0	0.95 -0.042	0.041 0.506	0.988
M - F, 4, 18	0	0	0	0.95 -0.042	0.041 0.506	0.988
M - F, 2, 21	0	0	0	0.95 -0.042	0.041 0.506	0.988
M - F, 4, 21	0	0	0	0.95 -0.042	0.041 0.506	0.988

Parameter	Median Mean	Mean.1 CI CI_low	CI_high pd pval
:	: -	: : -	: :
f.layer4 - f.layer2, F, 11	0.015 0.015	0.015 0.95 -0.004	0.032 0.945 0.111
f.layer4 - f.layer2, M, 11	0.015 0.015	0.015 0.95 -0.004	0.032 0.945 0.111
f.layer4 - f.layer2, F, 13	0.015 0.015	0.015 0.95 -0.004	0.032 0.945 0.111

Figure Supp 3 - Community detection-uniform CovM - subnetwork

```
Table: ANOVA table before bootstrapping
                 F| Df| Df.res| Pr(>F)|
|:----:|--:|--:|--:|
|(Intercept) | 179.610| 1| 68.491| 0.000|
|f.age | 14.220| 4| 435.005| 0.000|
          | 1.950| 1| 30.403| 0.173|
sex
|f.layer | 6.952| 1| 414.211| 0.009|
Table: Main effect after bootstrapping
               | Median| Mean| CI| CI low| CI high|
Parameter
|:----:|----:|----:|----:|----:|----:|----:|----:|----:|----:|
|f.age11 - f.age13 | -0.527 | -0.536 | 0.95 | -0.856 | -0.271 | 1.000 | 0.000 |
|f.age11 - f.age15 | -0.738 | -0.744 | 0.95 | -1.070 | -0.464 | 1.000 | 0.000 |
|f.age11 - f.age18 | -1.345 | -1.348 | 0.95 | -1.721 | -0.985 | 1.000 | 0.000 |
|f.age11 - f.age21 | -0.949 | -0.956 | 0.95 | -1.456 | -0.486 | 1.000 | 0.000 |
|f.age13 - f.age15 | -0.211 | -0.208 | 0.95 | -0.445 | 0.044 | 0.944 | 0.111 |
|f.age13 - f.age18 | -0.823 | -0.812 | 0.95 | -1.211 | -0.364 | 1.000 | 0.001 |
|f.age13 - f.age21 | -0.416| -0.420| 0.95| -0.931| 0.080| 0.950| 0.099|
|f.age15 - f.age18 | -0.607 | -0.603 | 0.95 | -0.970 | -0.224 | 0.998 | 0.004 |
|f.age15 - f.age21 | -0.201 | -0.212 | 0.95 | -0.748 | 0.253 | 0.798 | 0.405 |
|f.age18 - f.age21 | 0.411 | 0.391 | 0.95 | -0.268 | 0.939 | 0.898 | 0.203 |
|Parameter | Median | Mean | CI | CI_low | CI_high | pd | pval |
|:----:|----:|----:|----:|----:|----:|----:|
|F - M | -0.3| -0.296| 0.95| -0.58| -0.006| 0.977| 0.046|
|Parameter | Median | Mean | CI | CI_low | CI_high | pd | pval |
|f.layer2 - f.layer4 | -0.282 | -0.285 | 0.95 | -0.522 | -0.061 | 0.995 | 0.011 |
```

						CI_high		pval
:								
f.age11 - f.age13, F, 2								
f.age11 - f.age15, F, 2								
f.age11 - f.age18, F, 2							:	
f.age11 - f.age21, F, 2	: :						:	
f.age13 - f.age15, F, 2	: :						:	0.111
f.age13 - f.age18, F, 2	: :							
f.age13 - f.age21, F, 2	: :							0.099
f.age15 - f.age18, F, 2							:	:
f.age15 - f.age21, F, 2								0.405
f.age18 - f.age21, F, 2						•		0.203
f.age11 - f.age13, M, 2	-0.527	-0.536	-0.536	0.95	-0.856	-0.271	1.000	0.000
f.age11 - f.age15, M, 2	-0.738	-0.744	-0.744	0.95	-1.070	-0.464	1.000	0.000
f.age11 - f.age18, M, 2							1.000	0.000
f.age11 - f.age21, M, 2							1.000	0.000
f.age13 - f.age15, M, 2							0.944	0.111
f.age13 - f.age18, M, 2	-0.823	-0.812	-0.812	0.95	-1.211	-0.364	1.000	0.001
f.age13 - f.age21, M, 2	-0.416	-0.420	-0.420	0.95	-0.931	0.080	0.950	0.099
f.age15 - f.age18, M, 2	-0.607	-0.603	-0.603	0.95	-0.970	-0.224	0.998	0.004
f.age15 - f.age21, M, 2	-0.201	-0.212	-0.212	0.95	-0.748	0.253	0.798	0.405
f.age18 - f.age21, M, 2	0.411	0.391	0.391	0.95	-0.268	0.939	0.898	0.203
f.age11 - f.age13, F, 4	-0.527	-0.536	-0.536	0.95	-0.856	-0.271	1.000	0.000
f.age11 - f.age15, F, 4	-0.738	-0.744	-0.744	0.95	-1.070	-0.464	1.000	0.000
f.age11 - f.age18, F, 4	-1.345	-1.348	-1.348	0.95	-1.721	-0.985	1.000	0.000
f.age11 - f.age21, F, 4	-0.949	-0.956	-0.956	0.95	-1.456	-0.486	1.000	0.000
f.age13 - f.age15, F, 4	-0.211	-0.208	-0.208	0.95	-0.445	0.044	0.944	0.111
f.age13 - f.age18, F, 4	-0.823	-0.812	-0.812	0.95	-1.211	-0.364	1.000	0.001
f.age13 - f.age21, F, 4	-0.416	-0.420	-0.420	0.95	-0.931	0.080	0.950	0.099
f.age15 - f.age18, F, 4	-0.607	-0.603	-0.603	0.95	-0.970	-0.224	0.998	0.004
f.age15 - f.age21, F, 4	-0.201	-0.212	-0.212	0.95	-0.748	0.253	0.798	0.405
f.age18 - f.age21, F, 4	0.411	0.391	0.391	0.95	-0.268	0.939	0.898	0.203
f.age11 - f.age13, M, 4	-0.527	-0.536	-0.536	0.95	-0.856	-0.271	1.000	0.000
f.age11 - f.age15, M, 4	-0.738	-0.744	-0.744	0.95	-1.070	-0.464	1.000	0.000
f.age11 - f.age18, M, 4	-1.345	-1.348	-1.348	0.95	-1.721	-0.985	1.000	0.000
f.age11 - f.age21, M, 4							1.000	0.000
f.age13 - f.age15, M, 4	-0.211	-0.208	-0.208	0.95	-0.445	0.044	0.944	0.111
f.age13 - f.age18, M, 4						•		:
f.age13 - f.age21, M, 4	: :						:	0.099
f.age15 - f.age18, M, 4	: :						:	
f.age15 - f.age21, M, 4	: :						:	0.405
f.age18 - f.age21, M, 4	: :							0.203
, 5	,							1

Parameter	Median Mea	n Mean.1	CI CI_low	CI_high pd	pval
:	:	: :	: : -	: :	:
M - F, 2, 11	0.3 0.29	6 0.296 0	.95 0.006	0.58 0.977	0.046
M - F, 4, 11	0.3 0.29	6 0.296 0	.95 0.006	0.58 0.977	0.046
M - F, 2, 13	0.3 0.29	0.296 0	.95 0.006	0.58 0.977	0.046
M - F, 4, 13	0.3 0.29	6 0.296 0	.95 0.006	0.58 0.977	0.046
M - F, 2, 15	0.3 0.29	6 0.296 0	.95 0.006	0.58 0.977	0.046
M - F, 4, 15	0.3 0.29	5 0.296 0	.95 0.006	0.58 0.977	0.046
M - F, 2, 18	0.3 0.29	6 0.296 0	.95 0.006	0.58 0.977	0.046
M - F, 4, 18	0.3 0.29	6 0.296 0	.95 0.006	0.58 0.977	0.046
M - F, 2, 21	0.3 0.29	5 0.296 0	.95 0.006	0.58 0.977	0.046
M - F, 4, 21	0.3 0.29	0.296 0	.95 0.006	0.58 0.977	0.046

Parameter	Median Mean Mean	.1 CI CI_low C	I_high pd pval
:	: :	:: : :	: :
f.layer4 - f.layer2, F, 11	0.282 0.285 0.28	35 0.95 0.061	0.522 0.995 0.011
f.layer4 - f.layer2, M, 11	0.282 0.285 0.28	35 0.95 0.061	0.522 0.995 0.011
f.layer4 - f.layer2, F, 13	0.282 0.285 0.28	35 0.95 0.061	0.522 0.995 0.011

```
|f.layer4 - f.layer2, M, 13 | 0.282 | 0.285 | 0.285 | 0.95 |
                                                              0.061
                                                                        0.522 | 0.995 | 0.011 |
|f.layer4 - f.layer2, F, 15 | 0.282 | 0.285 | 0.285 | 0.95 |
                                                               0.061
                                                                        0.522 | 0.995 | 0.011 |
|f.layer4 - f.layer2, M, 15 | 0.282 | 0.285 | 0.285 | 0.95 |
                                                               0.061
                                                                        0.522 | 0.995 | 0.011 |
|f.layer4 - f.layer2, F, 18 | 0.282 | 0.285 | 0.285 | 0.95 |
                                                               0.061
                                                                        0.522 | 0.995 | 0.011 |
|f.layer4 - f.layer2, M, 18 | 0.282 | 0.285 |
                                               0.285 | 0.95 |
                                                               0.061
                                                                        0.522 | 0.995 | 0.011 |
|f.layer4 - f.layer2, F, 21 | 0.282 | 0.285 | 0.285 | 0.95 |
                                                              0.061
                                                                        0.522 | 0.995 | 0.011 |
|f.layer4 - f.layer2, M, 21 | 0.282 | 0.285 | 0.285 | 0.95 |
                                                              0.061
                                                                        0.522 | 0.995 | 0.011 |
```

Figure Supp 3 - Community detection-Asymmetric CovM

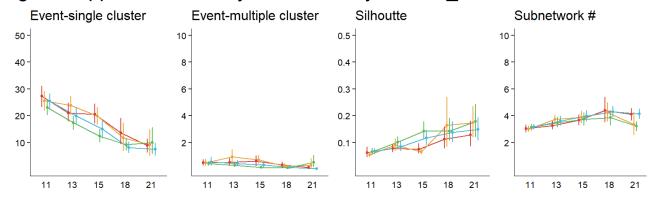


Figure Supp 3 - Community detection-Asymmetric_CovM -Silhouette

```
Table: ANOVA table before bootstrapping
                  F | Df | Df.res | Pr(>F) |
|:----:|---:|--:|
|(Intercept) | 23.534 | 1 | 57.370 | 0.000 |
|f.age
              8.409
                      4 | 401.449 | 0.000 |
                     1 53.835 0.503
sex
            0.455
|f.layer
            0.957 1 371.913 0.329
|f.age:sex
           | 2.557| 4| 405.384| 0.038|
Table: Main effect after bootstrapping
                 | Median | Mean | CI | CI_low | CI_high | | | |
|---|---|---|---|---|---|---|---|
|f.age11 - f.age13 | -0.029 | -0.029 | 0.95 | -0.042 | -0.017 | 1.000 | 0.000 |
|f.age11 - f.age15 | -0.039 | -0.040 | 0.95 | -0.061 | -0.022 | 1.000 | 0.000 |
|f.age11 - f.age18 | -0.079 | -0.080 | 0.95 | -0.127 | -0.042 | 1.000 | 0.000 |
|f.age11 - f.age21 | -0.096 | -0.097 | 0.95 | -0.134 | -0.066 | 1.000 | 0.000 |
|f.age13 - f.age15 | -0.011 | -0.011 | 0.95 | -0.028 | 0.004 | 0.927 | 0.146 |
|f.age13 - f.age18 | -0.050| -0.051| 0.95| -0.096| -0.017| 1.000| 0.001|
|f.age13 - f.age21 | -0.067 | -0.068 | 0.95 | -0.103 | -0.040 | 1.000 | 0.000 |
|f.age15 - f.age18 | -0.039 | -0.040 | 0.95 | -0.086 | -0.007 | 0.993 | 0.014 |
|f.age15 - f.age21 | -0.056 | -0.057 | 0.95 | -0.090 | -0.031 | 1.000 | 0.000 |
|f.age18 - f.age21 | -0.018 | -0.017 | 0.95 | -0.054 |
                                                 0.029 | 0.821 | 0.358 |
|Parameter | Median| Mean| CI| CI_low| CI_high| pd| pval|
|:----:|----:|----:|----:|----:|----:|----:|
|F - M | 0.008 | 0.005 | 0.95 | -0.039 | 0.049 | 0.591 | 0.819 |
                   | Median| Mean| CI| CI_low| CI_high|
|f.layer2 - f.layer4 | 0.006 | 0.006 | 0.95 | -0.006 | 0.019 | 0.822 | 0.357 |
```

•						CI_high		pval
:								
f.age11 - f.age13, F, 2								
f.age11 - f.age15, F, 2								
f.age11 - f.age18, F, 2								:
f.age11 - f.age21, F, 2				:			:	:
f.age13 - f.age15, F, 2								0.041
f.age13 - f.age18, F, 2	: :			:				
f.age13 - f.age21, F, 2								
f.age15 - f.age18, F, 2	: :			:			:	:
f.age15 - f.age21, F, 2								:
f.age18 - f.age21, F, 2						•		0.787
f.age11 - f.age13, M, 2	-0.032	-0.032	-0.032	0.95	-0.050	-0.014	1.000	0.001
f.age11 - f.age15, M, 2	-0.065	-0.066	-0.066	0.95	-0.102	-0.037	1.000	0.000
f.age11 - f.age18, M, 2							1.000	0.000
f.age11 - f.age21, M, 2							1.000	0.000
f.age13 - f.age15, M, 2	-0.034	-0.034	-0.034	0.95	-0.064	-0.007	0.992	0.016
f.age13 - f.age18, M, 2	-0.045	-0.047	-0.047	0.95	-0.105	-0.002	0.983	0.035
f.age13 - f.age21, M, 2	-0.074	-0.076	-0.076	0.95	-0.126	-0.038	1.000	0.000
f.age15 - f.age18, M, 2	-0.011	-0.013	-0.013	0.95	-0.072	0.034	0.644	0.711
f.age15 - f.age21, M, 2	-0.040	-0.042	-0.042	0.95	-0.090	-0.004	0.987	0.025
f.age18 - f.age21, M, 2	-0.028	-0.029	-0.029	0.95	-0.071	0.004	0.955	0.091
f.age11 - f.age13, F, 4							1.000	0.001
f.age11 - f.age15, F, 4	-0.013	-0.014	-0.014	0.95	-0.038	0.007	0.896	0.208
f.age11 - f.age18, F, 4	-0.078	-0.082	-0.082	0.95	-0.166	-0.027	1.000	0.000
f.age11 - f.age21, F, 4	-0.084	-0.087	-0.087	0.95	-0.142	-0.044	1.000	0.000
f.age13 - f.age15, F, 4	0.012	0.012	0.012	0.95	0.001	0.024	0.980	0.041
f.age13 - f.age18, F, 4							0.993	0.014
f.age13 - f.age21, F, 4							0.997	0.006
f.age15 - f.age18, F, 4	: :			:			:	:
f.age15 - f.age21, F, 4								
f.age18 - f.age21, F, 4				:			:	0.787
f.age11 - f.age13, M, 4								
f.age11 - f.age15, M, 4	: :			:			:	:
f.age11 - f.age18, M, 4								
f.age11 - f.age21, M, 4	: :			:			:	:
f.age13 - f.age15, M, 4								
f.age13 - f.age18, M, 4						•		
f.age13 - f.age21, M, 4				:			:	:
f.age15 - f.age18, M, 4								0.711
f.age15 - f.age21, M, 4	: :			:			:	:
f.age18 - f.age21, M, 4								0.023
16010 1.08021, 11, 4	0.020	0.029	0.029	0.55	0.0/1	0.004	0.555	0.051

Parameter	Median Mean	Mean.1 CI	CI_low	CI_high	pd	pval
:	:	: :	:	:	: -	:
M - F, 2, 11	-0.024 -0.020	-0.020 0.95	-0.058	0.016	0.754	0.492
M - F, 4, 11	-0.024 -0.020	-0.020 0.95	-0.058	0.016	0.754	0.492
M - F, 2, 13	-0.017 -0.014	-0.014 0.95	-0.053	0.025	0.685	0.629
M - F, 4, 13	-0.017 -0.014	-0.014 0.95	-0.053	0.025	0.685	0.629
M - F, 2, 15	0.031 0.032	0.032 0.95	-0.014	0.080	0.898	0.204
M - F, 4, 15	0.031 0.032	0.032 0.95	-0.014	0.080	0.898	0.204
M - F, 2, 18	-0.022 -0.023	-0.023 0.95	-0.118	0.059	0.699	0.602
M - F, 4, 18	-0.022 -0.023	-0.023 0.95	-0.118	0.059	0.699	0.602
M - F, 2, 21	0.000 0.001	0.001 0.95	-0.073	0.076	0.501	0.998
M - F, 4, 21	0.000 0.001	0.001 0.95	-0.073	0.076	0.501	0.998

Parameter	Median Mean	Mean.1 CI CI_low	CI_high pd pval
:	: :	:	: :
f.layer4 - f.layer2, F,	11 -0.006 -0.006	-0.006 0.95 -0.019	0.006 0.822 0.357
f.layer4 - f.layer2, M,	11 -0.006 -0.006	-0.006 0.95 -0.019	0.006 0.822 0.357
f.layer4 - f.layer2, F,	13 -0.006 -0.006	-0.006 0.95 -0.019	0.006 0.822 0.357

```
|f.layer4 - f.layer2, M, 13 | -0.006| -0.006| -0.006| 0.95| -0.019| 0.006| 0.822| 0.357| |f.layer4 - f.layer2, F, 15 | -0.006| -0.006| -0.006| 0.95| -0.019| 0.006| 0.822| 0.357| |f.layer4 - f.layer2, M, 15 | -0.006| -0.006| -0.006| 0.95| -0.019| 0.006| 0.822| 0.357| |f.layer4 - f.layer2, F, 18 | -0.006| -0.006| -0.006| 0.95| -0.019| 0.006| 0.822| 0.357| |f.layer4 - f.layer2, M, 18 | -0.006| -0.006| -0.006| 0.95| -0.019| 0.006| 0.822| 0.357| |f.layer4 - f.layer2, F, 21 | -0.006| -0.006| -0.006| 0.95| -0.019| 0.006| 0.822| 0.357| |f.layer4 - f.layer2, M, 21 | -0.006| -0.006| -0.006| 0.95| -0.019| 0.006| 0.822| 0.357|
```

Figure Supp 3 - Community detection-Asymmetric CovM- subnetwork

```
Table: ANOVA table before bootstrapping
                 F | Df | Df.res | Pr(>F) |
|:----:|---:|--:|--:|--:|
|(Intercept) | 477.197| 1| 82.101| 0.000|
|f.age | 11.829| 4| 414.497| 0.000|
           | 0.004| 1| 26.822| 0.950|
sex
|f.layer | 4.209| 1| 377.681| 0.041|
Table: Main effect after bootstrapping
                | Median| Mean| CI| CI low| CI high|
Parameter
|:----:|----:|----:|----:|----:|----:|----:|----:|----:|----:|
|f.age11 - f.age13 | -0.419 | -0.422 | 0.95 | -0.666 | -0.193 | 1.000 | 0.000 |
|f.age11 - f.age15 | -0.730| -0.728| 0.95| -0.953| -0.489| 1.000| 0.000|
|f.age11 - f.age18 | -1.000| -0.990| 0.95| -1.431| -0.501| 1.000| 0.000|
|f.age11 - f.age21 | -0.630 | -0.631 | 0.95 | -0.878 | -0.392 | 1.000 | 0.000 |
|f.age13 - f.age15 | -0.308 | -0.306 | 0.95 | -0.555 | -0.042 | 0.988 | 0.024 |
|f.age13 - f.age18 | -0.579 | -0.568 | 0.95 | -1.058 | -0.035 | 0.982 | 0.036 |
|f.age13 - f.age21 | -0.210| -0.209| 0.95| -0.535| 0.133| 0.890| 0.221|
|f.age15 - f.age18 | -0.271 | -0.262 | 0.95 | -0.731 | 0.262 | 0.849 | 0.301 |
|f.age15 - f.age21 | 0.099| 0.097| 0.95| -0.232| 0.426| 0.724| 0.552|
|f.age18 - f.age21 | 0.367 | 0.360 | 0.95 | -0.082 | 0.761 | 0.947 | 0.105 |
|Parameter | Median | Mean | CI | CI_low | CI_high | pd | pval |
|:----:|----:|----:|----:|----:|----:|----:|----:|
|F - M | 0.027 | 0.026 | 0.95 | -0.195 | 0.241 | 0.595 | 0.81
|Parameter | Median| Mean| CI| CI_low| CI_high| pd| pval|
|:----:|----:|----:|----:|----:|----:|----:|----:|----:|----:|
|f.layer2 - f.layer4 | -0.186 | -0.188 | 0.95 | -0.392 | 0.008 | 0.97 | 0.06 |
```

						CI_high		pval
: f.age11 - f.age13, F, 2								
f.age11 - f.age15, F, 2	: :							
f.age11 - f.age18, F, 2								
f.age11 - f.age21, F, 2	: :			:				
f.age13 - f.age15, F, 2								
f.age13 - f.age18, F, 2 f.age13 - f.age21, F, 2							0.890	
	: :							
f.age15 - f.age18, F, 2	: :			:			0.849	
f.age15 - f.age21, F, 2	: :						0.724	
f.age18 - f.age21, F, 2							0.947	
f.age11 - f.age13, M, 2	: :			:				
f.age11 - f.age15, M, 2								
f.age11 - f.age18, M, 2								
f.age11 - f.age21, M, 2	: :							
f.age13 - f.age15, M, 2	: :			:				
f.age13 - f.age18, M, 2	: :							
f.age13 - f.age21, M, 2	: :			:			0.890	
f.age15 - f.age18, M, 2	: :						0.849	
f.age15 - f.age21, M, 2							0.724	
f.age18 - f.age21, M, 2							0.947	
f.age11 - f.age13, F, 4								
f.age11 - f.age15, F, 4								
f.age11 - f.age18, F, 4	: :							
f.age11 - f.age21, F, 4	: :			:			:	
f.age13 - f.age15, F, 4	: :							
f.age13 - f.age18, F, 4								
f.age13 - f.age21, F, 4							0.890	
f.age15 - f.age18, F, 4							0.849	0.301
f.age15 - f.age21, F, 4							0.724	
f.age18 - f.age21, F, 4	0.367	0.360	0.360	0.95	-0.082	0.761	0.947	0.105
f.age11 - f.age13, M, 4	: :			:				
f.age11 - f.age15, M, 4						•	1.000	0.000
f.age11 - f.age18, M, 4	-1.000	-0.990	-0.990	0.95	-1.431	-0.501	1.000	0.000
f.age11 - f.age21, M, 4	-0.630	-0.631	-0.631	0.95	-0.878	-0.392	1.000	0.000
f.age13 - f.age15, M, 4	-0.308	-0.306	-0.306	0.95	-0.555	-0.042	0.988	0.024
f.age13 - f.age18, M, 4	-0.579	-0.568	-0.568	0.95	-1.058	-0.035	0.982	0.036
f.age13 - f.age21, M, 4	-0.210	-0.209	-0.209	0.95	-0.535	0.133	0.890	0.221
f.age15 - f.age18, M, 4	-0.271	-0.262	-0.262	0.95	-0.731	0.262	0.849	0.301
f.age15 - f.age21, M, 4	0.099	0.097	0.097	0.95	-0.232	0.426	0.724	0.552
f.age18 - f.age21, M, 4	0.367	0.360	0.360	0.95	-0.082	0.761	0.947	0.105

Parameter	Median Mean	Mean.1	CI CI_low	CI_high	pd pval
:	:	:	: : -	:	: :
M - F, 2, 11	-0.027 -0.026	-0.026 0	0.95 -0.241	0.195 0	0.595 0.81
M - F, 4, 11	-0.027 -0.026	-0.026 0	0.95 -0.241	0.195 0	0.595 0.81
M - F, 2, 13	-0.027 -0.026	-0.026 0	0.95 -0.241	0.195 6	0.595 0.81
M - F, 4, 13	-0.027 -0.026	-0.026 0	0.95 -0.241	0.195 0	0.595 0.81
M - F, 2, 15	-0.027 -0.026	-0.026 0	0.95 -0.241	0.195 6	0.595 0.81
M - F, 4, 15	-0.027 -0.026	-0.026 0	0.95 -0.241	0.195 0	0.595 0.81
M - F, 2, 18	-0.027 -0.026	-0.026 0	0.95 -0.241	0.195 6	0.595 0.81
M - F, 4, 18	-0.027 -0.026	-0.026 0	0.95 -0.241	0.195 6	0.595 0.81
M - F, 2, 21	-0.027 -0.026	-0.026 0	0.95 -0.241	0.195 0	0.595 0.81
M - F, 4, 21	-0.027 -0.026	-0.026 0	0.95 -0.241	0.195 0	0.595 0.81

Parameter	Median Mean	Mean.1 CI CI_low	CI_high pd pval
:	: -	: : -	: :
f.layer4 - f.layer2, F, 11	0.186 0.188	0.188 0.95 -0.008	0.392 0.97 0.06
f.layer4 - f.layer2, M, 11	0.186 0.188	0.188 0.95 -0.008	0.392 0.97 0.06
f.layer4 - f.layer2, F, 13	0.186 0.188	0.188 0.95 -0.008	0.392 0.97 0.06

f.layer4 - f.layer2, M, 13 0.186	0.188 0.188 0.95 -0.008	0.392 0.97 0.06
f.layer4 - f.layer2, F, 15 0.186	0.188 0.188 0.95 -0.008	0.392 0.97 0.06
f.layer4 - f.layer2, M, 15 0.186	0.188 0.188 0.95 -0.008	0.392 0.97 0.06
f.layer4 - f.layer2, F, 18 0.186	0.188 0.188 0.95 -0.008	0.392 0.97 0.06
f.layer4 - f.layer2, M, 18 0.186	0.188 0.188 0.95 -0.008	0.392 0.97 0.06
f.layer4 - f.layer2, F, 21 0.186	0.188 0.188 0.95 -0.008	0.392 0.97 0.06
f.layer4 - f.layer2, M, 21 0.186	0.188 0.188 0.95 -0.008	0.392 0.97 0.06