

Grouped as $r > 0.8$ ; 24 groups of sites							
ANOVA						Correlation	
Model	group	r2_per_model	p_LRT	aic	# sites	Pearson's r	perm.Pval
A	1	0.5995211	NA	121.3514	14	0.80183079	0.0033
B	1-2	0.7752917	1.93E-02	116.99495	16	0.7879634	0.003
C	1-3	0.8007926	3.81E-01	117.66991	22	0.64910697	0.0185
D	1-4	0.827243	3.82E-01	118.10284	23	0.60719372	0.0285
E	1-5	0.8339467	6.88E-01	119.66749	29	0.36417096	0.1287
F	1-6	0.8508927	5.59E-01	120.48342	32	0.31381135	0.1694
G	1-7	0.90601	2.79E-01	117.40713	43	0.04898121	0.4317
H	1-8	0.9986534	1.06E-16	72.69779	45	0.0520149	0.433

Max  $R^2 = 0.9986534$

Grouped as $r > 0.99$ ; 45 groups of sites							
ANOVA						Correlation	
Model	group	r2_per_model	p_LRT	aic	# sites	Pearson's r	perm.Pval
A	1	0.6626033	NA	119.46598	6	0.81199806	0.0036
B	1-2	0.6850202	4.80E-01	120.70972	14	0.80183079	0.0023
C	1-3	0.7138161	4.37E-01	121.6551	15	0.80595708	0.0019
D	1-4	0.827243	7.00E-02	118.10284	16	0.7879634	0.0025
E	1-5	0.8339467	6.88E-01	119.66749	17	0.76557677	0.0053
F	1-6	0.8339467	NA	119.66749	22	0.64910697	0.0217
G	1-7	0.8339467	NA	119.66749	23	0.60719372	0.0305
H	1-8	0.8339467	NA	119.66749	24	0.56420809	0.0402
I	1-9	0.8619802	4.35E-01	119.63345	27	0.4518028	0.0817
J	1-10	0.8619802	NA	119.63345	29	0.36417096	0.142
K	1-11	0.9396978	1.08E-01	112.52503	30	0.32288166	0.1621
L	1-12	0.9986534	3.61E-11	72.69779	31	0.29173786	0.199

Max  $R^2 = 0.9986534$