

Table S10. AUCs of PRINCE in 100-fold cross-validation on mouse phenome-genome network. Parameter α ranges from 0.01 to 0.9 for tuning better. AUCs up to 50, 100, 300, 500, 1000 and all false positives are reported.

	AUC ₅₀	AUC ₁₀₀	AUC ₃₀₀	AUC ₅₀₀	AUC ₁₀₀₀	AUC
0.01	0.0670	0.1245	0.3183	0.4633	0.7014	0.9612
0.05	0.0671	0.1248	0.3184	0.4640	0.7019	0.9615
0.1	0.0684	0.1257	0.3183	0.4640	0.7018	0.9615
0.2	0.0670	0.1242	0.3174	0.4634	0.7015	0.9615
0.3	0.0658	0.1230	0.3165	0.4625	0.7009	0.9614
0.4	0.0651	0.1223	0.3156	0.4616	0.7001	0.9613
0.5	0.0651	0.1216	0.3145	0.4606	0.6989	0.9611
0.6	0.0640	0.1195	0.3125	0.4585	0.6967	0.9609
0.7	0.0626	0.1177	0.3115	0.4569	0.6934	0.9605
0.8	0.0612	0.1154	0.3090	0.4539	0.6870	0.9596
0.9	0.0594	0.1125	0.3071	0.4495	0.6728	0.9576