

Table S1. Increasing network completeness with NCBI gene name information.

BioCarta network mapping statistics before replacing dataset gene names with NCBI synonyms:

Dataset	Num. dataset genes	Num. network genes	Num. matched	% matched network genes	Num. networks equal to or above x% completion					
					100%	90%	80%	70%	60%	50%
A	30,761	1,296	1,241	0.96	155	228	243	246	247	248
B	9,724	1,296	1,052	0.81	60	127	204	228	239	246
C	3,983	1,296	622	0.48	1	1	6	28	90	169
E	20,021	1,296	1,105	0.85	37	101	208	233	244	247
D	9,724	1,296	1,052	0.81	60	127	204	228	239	246
F	14,941	1,296	1,140	0.88	74	173	225	238	245	248
G	5,600	1,296	908	0.70	25	61	150	195	227	244
H	9,101	1,296	1,077	0.83	70	143	217	233	240	247
I,J,K	9,724	1,296	1,052	0.81	60	127	204	228	239	246

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Dataset	Num. dataset genes	Num. network genes	Num. matched	% matched network genes	Num. networks equal to or above x% completion					
					100%	90%	80%	70%	60%	50%
A	30,761	1,296	1,279	0.99	201	245	248	248	248	248
B	9,724	1,296	1,130	0.87	95	178	230	239	247	248
C	3,983	1,296	681	0.53	2	2	17	51	125	195
D	9,724	1,296	1,130	0.87	95	178	230	239	247	248
E	20,021	1,296	1,193	0.92	66	161	235	247	248	248
F	14,941	1,296	1,224	0.94	129	222	244	247	248	248
G	5,600	1,296	974	0.75	42	97	182	217	237	245
H	9,101	1,296	1,134	0.88	97	181	233	241	245	248
I,J,K	9,724	1,296	1,130	0.87	95	178	230	239	247	248