

Additional File 2: Average Completeness on 10-Fold cross-validation for KARL vs. RL. The table results are reported in the KARL-result/RL-result format. ID = the dataset pointers used in Figure 2, ConMin = minimum Coverage for Controls, ConMax = maximum Coverage for Controls, ConMdn = median coverage for Controls, CaseMin = minimum Coverage for Cases, CaseMax = maximum Coverage for Cases, CaseMdn = median Coverage for Cases, AbsRate = %test samples not assigned a class.

Dataset ID	ConMin	ConMax	ConMdn	CaseMin	CaseMax	CaseMdn	AbsRate
A	.40/.51	.69/.69	.55/.60	.55/.55	.79/.79	.64/.64	.00/1.1
B	.54/.60	.78/.74	.68/.67	.51/.61	.76/.73	.66/.65	.00/.00
C	.33/.43	.65/.58	.50/.50	.43/.49	.82/.82	.62/.63	.00/.00
D	.33/.43	.70/.54	.53/.46	.45/.52	.74/.74	.58/.59	.00/1.0
E	.34/.44	.82/.82	.53/.54	.37/.50	.82/.74	.58/.59	.00/1.2
Average	.39/.48	.73/.67	.56/.55	.46/.53	.79/.76	.62/.62	0.0/.66
F	.50/.50	.84/.84	.65/.65	.39/.40	.60/.60	.47/.49	1.1/1.1
G	.42/.42	.86/.85	.74/.64	.36/.36	.80/.72	.53/.49	.00/.00
H	1.0/1.0	1.0/1.0	1.0/1.0	1.0/1.0	1.0/1.0	1.0/1.0	.00/6.1
I	.89/.89	.90/.90	.89/.89	.95/.97	.98/.98	.97/.98	.00/1.6
J	.43/.45	.60/.59	.52/.54	.49/.56	.75/.75	.62/.64	.00/1.6
Average	.65/.65	.84/.84	.76/.74	.64/.66	.82/.81	.72/.72	.22/2.1
K	.67/.87	.91/.91	.81/.89	.85/.89	.96/.95	.90/.92	3.3/13.
L	1.0/1.0	1.0/1.0	1.0/1.0	1.0/1.0	1.0/1.0	1.0/1.0	.00/1.4
M	1.0/1.0	1.0/1.0	1.0/1.0	1.0/1.0	1.0/1.0	1.0/1.0	.00/5.1
N	.92/.93	.95/.94	.94/.94	.73/.94	1.0/.96	.93/.95	.00/.00
O	1.0/1.0	1.0/1.0	1.0/1.0	1.0/1.0	1.0/1.0	1.0/1.0	1.2/2.4
Average	.92/.96	.97/.97	.95/.97	.92/.97	.99/.98	.97/.97	.90/4.4
P	1.0/1.0	1.0/1.0	1.0/1.0	1.0/1.0	1.0/1.0	1.0/1.0	.00/1.9
Q	1.0/1.0	1.0/1.0	1.0/1.0	1.0/1.0	1.0/1.0	1.0/1.0	.00/4.4
R	.53/.58	.96/.87	.66/.69	.72/.74	.96/.96	.90/.91	.00/.00
S	.48/.58	.96/.90	.73/.79	.60/.65	.94/.83	.72/.75	.00/.83
T	.80/.82	.98/.88	.88/.87	.83/.93	.97/.97	.93/.95	.00/4.5
Average	.76/.80	.98/.93	.85/.87	.83/.86	.97/.95	.91/.92	.00/2.3
U	.32/.35	.89/.58	.48/.47	.47/.54	.88/.81	.66/.62	.00/3.6
V	.38/.42	.82/.82	.61/.69	.35/.44	.79/.63	.53/.52	.00/5.0
W	1.0/1.0	1.0/1.0	1.0/1.0	1.0/1.0	1.0/1.0	1.0/1.0	.00/4.0
X	.41/.56	.82/.70	.61/.64	.56/.64	.82/.82	.69/.69	.00/1.1
Y	.35/.35	.85/.73	.58/.56	.36/.40	.87/.64	.57/.56	.74/2.2
Average	.49/.54	.88/.78	.66/.67	.55/.60	.87/.78	.69/.68	.15/3.2