wt, no DNAdam 0.8 0.8 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0	(0.1, 0.1, 0.1, 0.1, 1)	(0.1, 0.1, 0.1, 0.1, 10.0)  0.810.810.810.02 0.0 0.0 0.0 0.0  1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0  1.0 1.0 1.0 0.0 0.9 0.9 0.94 0.0  1.0 1.0 1.0 0.0 0.80.880.94 0.0  1.0 1.0 1.0 0.0 0.9 0.9 0.95 0.0  1.0 1.0 1.0 0.0 0.9 0.9 0.95 0.0	(0.1, 0.1, 0.1, 1, 0.1)  8 0.8 0.8 0.8 0.0 0.0 0.0 0.0 0.0  1.0 1.0 0.0 0.0 0.0 0.0 0.0  1.0 1.0 0.0 0.440.440.48 0.0  1.0 1.0 0.0 0.440.440.47 0.0  1.0 1.0 0.0 0.450.450.49 0.0  1.0 1.0 0.0 0.450.450.48 0.0	(0.1, 0.1, 0.1, 1, 1)  -0.810.810.810.03 0.0 0.0 0.0 0.0 0.0  -1.0 1.0 1.0 0.0 0.820.820.89 0.0  -1.0 1.0 1.0 0.0 0.820.820.89 0.0  -1.0 1.0 1.0 0.0 0.820.820.89 0.0  -1.0 1.0 1.0 0.0 0.820.820.89 0.0	(0.1, 0.1, 0.1, 1, 10.0)  -0.810.810.810.03 0.0 0.0 0.0 0.02 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.02 -1.0 1.0 1.0 0.0 0.9 0.9 0.94 0.0 -1.0 1.0 1.0 0.0 0.890.890.94 0.0 -1.0 1.0 1.0 0.0 0.890.890.94 0.0 -1.0 1.0 1.0 0.0 0.9 0.9 0.9 0.94 0.0	(0.1, 0.1, 0.1, 10.0, 0.1)	(0.1, 0.1, 0.1, 10.0, 1)  -0.810.810.810.03 0.0 0.0 0.0 0.0 0.02 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 -1.0 1.0 1.0 0.0 0.810.810.87 0.0 -1.0 1.0 1.0 0.0 0.820.820.87 0.0 -1.0 1.0 1.0 0.0 0.820.820.87 0.0	(0.1, 0.1, 0.1, 10.0, 10.0)  -0.810.810.810.03 0.0 0.0 0.0 0.0 0.0  -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0  -1.0 1.0 1.0 0.0 0.9 0.9 0.9 0.9  -1.0 1.0 1.0 0.0 0.9 0.9 0.9 0.9  -1.0 1.0 1.0 0.0 0.9 0.9 0.9 0.9  -1.0 1.0 1.0 0.0 0.9 0.9 0.9 0.9
wt, no DNAdam (0.1, 0.1, 1, 0.1, 0.1)  wt, no DNAdam (0.8 0.8 0.8 0.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	(0.1, 0.1, 1, 0.1, 1)  -0.8 0.8 0.8 0.8 0.0 0.0 0.0 0.0 0.0 0.0	1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0	(0.1, 0.1, 1, 1, 0.1) 810.810.810.830.0 0.0 0.0 0.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0 0.0 0.450.450.49 0.0 1.0 1.0 0.0 0.450.450.49 0.0 1.0 1.0 0.0 0.450.450.49 0.0 1.0 1.0 0.0 0.430.430.480.01	(0.1, 0.1, 1, 1, 1)  -0.790.790.790.03 0.0 0.0 0.0 0.04  -1.0 1.0 1.0 0.0 0.810.810.87 0.0  -1.0 1.0 1.0 0.0 0.820.820.88 0.0  -1.0 1.0 1.0 0.0 0.820.820.88 0.0  -1.0 1.0 1.0 1.0 0.0 0.820.820.88 0.0	(0.1, 0.1, 1, 1, 10.0)  -0.810.810.810.03 0.0 0.0 0.0 0.0  -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0  -1.0 1.0 1.0 0.0 0.890.890.94 0.0  -1.0 1.0 1.0 0.0 0.890.890.94 0.0  -1.0 1.0 1.0 0.0 0.9 0.9 0.94 0.0  -1.0 1.0 1.0 0.0 0.890.890.94 0.0	(0.1, 0.1, 1, 10.0, 0.1) 0.790.790.790.04 0.0 0.0 0.0 0.0 0.0 1.0 1.0 1.0 0.0 0.4 0.4 0.5 0.0 1.0 1.0 1.0 0.0 0.4 0.4 0.5 0.0 1.0 1.0 1.0 0.0 0.4 0.4 0.4 0.4 0.0 1.0 1.0 1.0 0.0 0.4 0.4 0.4 0.4 0.4 0.0	(0.1, 0.1, 1, 10.0, 1) -0.820.820.820.030.0 0.0 0.0 0.04 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 -1.0 1.0 1.0 0.0 0.830.830.880.0 -1.0 1.0 1.0 0.0 0.830.830.880.0 -1.0 1.0 1.0 0.0 0.830.830.880.0 -1.0 1.0 1.0 0.0 0.830.830.880.0	(0.1, 0.1, 1, 10.0, 10.0)  -0.810.810.810.04 0.0 0.0 0.0 0.0 0.0 0.0  -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0  -1.0 1.0 1.0 0.0 0.9 0.9 0.9 0.9 0.9  -1.0 1.0 1.0 0.0 0.9 0.9 0.9 0.9 0.9  -1.0 1.0 1.0 0.0 0.9 0.9 0.9 0.9 0.9  -1.0 1.0 1.0 0.0 0.9 0.9 0.9 0.9 0.9  -1.0 1.0 1.0 0.0 0.9 0.9 0.9 0.9 0.9 0.9  -1.0 1.0 1.0 0.0 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0
wt. no DNAdam (0.1, 0.1, 10.0, 0.1, 0.1)  wt. no DNAdam (0.1, 0.1, 10.0, 0.1, 0.1)  krasΔ, no DNAdam, 0/0 (1.0 (0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	(0.1, 0.1, 10.0, 0.1, 1)  -0.810.810.810.810.800 0.0 0.0 0.0  -1.0 1.0 1.0 0.0 0.840.840.880.0  -1.0 1.0 1.0 0.0 0.830.830.890.0  -1.0 1.0 1.0 0.0 0.810.810.870.0  -1.0 1.0 1.0 0.0 0.820.820.880.0  -(0.1, 1, 0.1, 0.1, 1)	(0.1, 0.1, 10.0, 0.1, 10.0)  0.8 0.8 0.8 0.3 0.0 0.0 0.0 0.0  1.0 1.0 1.0 0.0 0.0 0.0 0.0  1.0 1.0 1.0 0.0 0.8 0.8 0.9 0.0  1.0 1.0 1.0 0.0 0.8 0.8 0.9 0.0  1.0 1.0 1.0 0.0 0.8 0.8 0.9 0.0  1.0 1.0 1.0 0.0 0.8 0.8 0.9 0.0  (0.1, 1, 0.1, 0.1, 10.0)	(0.1, 0.1, 10.0, 1, 0.1) 810.810.810.03 0.0 0.0 0.0 0.0 1.0 1.0 0.0 0.0 0.0 0.0 0 1.0 1.0 0.0 0.460.460.5 0 1.0 1.0 0.0 0.460.460.5 0 1.0 1.0 0.0 0.480.480.51 0 1.0 1.0 0.0 0.430.47	(0.1, 0.1, 10.0, 1, 1)  -0.8 0.8 0.8 0.03 0.0 0.0 0.0 0.0 0.0  -1.0 1.0 1.0 0.0 0.820.820.88 0.0  -1.0 1.0 1.0 0.0 0.810.810.88 0.0  -1.0 1.0 1.0 0.0 0.820.820.88 0.0  -1.0 1.0 1.0 0.0 0.820.820.88 0.0  -1.0 1.0 1.0 0.0 0.820.820.88 0.0  -1.0 1.0 1.0 0.0 0.820.820.88 0.0  -1.0 1.0 1.0 0.0 0.820.820.88 0.0	(0.1, 0.1, 10.0, 1, 10.0)  -0.810.810.810.04 0.0 0.0 0.0 0.05 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 -1.0 1.0 1.0 0.0 0.9 0.9 0.94 0.0 -1.0 1.0 1.0 0.0 0.9 0.9 0.94 0.0 -1.0 1.0 1.0 0.0 0.9 0.9 0.94 0.0 -1.0 1.0 1.0 0.0 0.9 0.9 0.94 0.0 -1.0 1.0 1.0 0.0 0.9 0.9 0.94 0.0 -1.0 1.0 1.0 0.0 0.9 0.9 0.94 0.0	(0.1, 0.1, 10.0, 10.0, 0.1)	(0.1, 0.1, 10.0, 10.0, 1)  0.8 0.8 0.8 0.0 0.0 0.0 0.0 0.0 0.0  1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0  1.0 1.0 1.0 0.0 0.830.830.89 0.0  1.0 1.0 1.0 0.0 0.820.820.88 0.0  1.0 1.0 1.0 0.0 0.830.830.88 0.0  (0.1, 1, 0.1, 10.0, 1)	(0.1, 0.1, 10.0, 10.0, 10.0)  -0.8 0.8 0.8 0.8 0.04 0.0 0.0 0.0 0.0  -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0  -1.0 1.0 1.0 0.0 0.9 0.9 0.9 0.9  -1.0 1.0 1.0 0.0 0.8 0.8 0.9 0.0  -1.0 1.0 1.0 0.0 0.9 0.9 0.9 0.9  -1.0 1.0 1.0 0.0 0.9 0.9 0.9 0.9  -1.0 1.0 1.0 0.0 0.9 0.9 0.9 0.9  -1.0 1.0 1.0 0.0 0.9 0.9 0.9 0.9  -1.0 1.0 1.0 0.0 0.9 0.9 0.9 0.9
wt, no DNAdam 0.8 0.8 0.8 0.12 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	0.810.810.810.12 0.0 0.0 0.0 0.12	0.8 0.8 0.8 0.13 0.0 0.0 0.13 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	810.810.810.12 0.0 0.0 0.1 0.13 6 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.07 6 1.0 1.0 0.0 0.460.46 0.5 0.0 6 1.0 1.0 0.0 0.480.450.490.01 6 1.0 1.0 0.0 0.480.480.51 0.0 6 1.0 1.0 0.0 0.440.440.470.01 (0.1, 1, 1, 1, 0.1)	-0.8 0.8 0.8 0.12 0.0 0.0 0.0 0.13 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.07 -1.0 1.0 1.0 0.0 0.820.820.88 0.0 -1.0 1.0 1.0 0.0 0.840.84 0.9 0.0 -1.0 1.1 1.1 1.1 1.1	-0.820.820.820.12 0.0 0.0 0.0 0.13 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.07 -1.0 1.0 1.0 0.0 0.830.880.94 0.0 -1.0 1.0 1.0 0.0 0.890.890.94 0.0 -1.0 1.0 1.0 0.0 0.830.880.94 0.0 -1.0 1.0 1.0 0.0 0.830.880.93 0.0 (0.1, 1, 1, 1, 10.0)	0.8 0.8 0.8 0.13 0.0 0.0 0.0 0.14 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.7 1.0 1.0 1.0 0.0 0.460.46 0.5 0.0 1.0 1.0 0.0 0.460.46 0.5 0.0 1.0 1.0 0.0 0.460.46 0.5 0.0 1.0 1.0 0.0 0.460.45 0.5 0.0 1.0 1.0 1.0 0.0 0.460.45 0.5 0.0 1.0 1.0 1.0 0.0 0.450.45 0.5 0.0 1.0 1.0 1.0 0.0 0.450.45 0.5 0.0	0.8 0.8 0.8 0.12 0.0 0.0 0.0 0.13 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0 1.0 0.0 0.820.820.880.0 1.0 1.0 1.0 0.0 0.820.820.890.0 1.0 1.0 1.0 0.0 0.820.820.890.0 1.0 1.0 1.0 0.0 0.830.830.830.01 (0.1, 1, 1, 10.0, 1)	-0.820.820.11 0.0 0.0 0.0 0.0 0.13 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 -1.0 1.0 1.0 0.0 0.9 0.9 0.940.0 -1.0 1.0 1.0 0.0 0.890.890.93 0.0 -1.0 1.0 1.0 0.0 0.9 0.9 0.940.0 -1.0 1.0 1.0 0.0 0.9 0.9 0.940.0 -1.0 1.0 1.0 0.0 0.9 0.9 0.940.0
wt. no DNAdam (10.10 10	-0.810.810.810.13 0.0 0.0 0.0 0.14 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 -1.0 1.0 1.0 0.0 0.8 0.8 0.8 0.87 0.0 -1.0 1.0 1.0 0.0 0.8 0.8 0.860.01 -1.0 1.0 1.0 0.0 0.810.810.87 0.0 -1.0 1.0 1.0 0.0 0.810.810.880.01 -1.0 1.0 1.0 0.0 0.810.810.880.01	0.790.790.790.13 0.0 0.0 0.15 -0.10 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0	790.790.790.14 0.0 0.0 0.0 0.19 10 1.0 1.0 0.0 0.0 0.0 0.0 0.16 10 1.0 1.0 0.0 0.430.430.470.01 10 1.0 1.0 0.0 0.440.440.480.02 1.0 1.0 0.0 0.440.440.480.02 1.0 1.0 0.0 0.460.460.490.02 (0.1, 1, 10.0, 1, 0.1)	-0.810.810.810.12 0.0 0.0 0.0 0.16 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.17 -1.0 1.0 1.0 0.0 0.830.830.890.01 -1.0 1.0 1.0 0.0 0.820.820.820.01 -1.0 1.0 1.0 0.0 0.820.820.820.01 -1.0 1.0 1.0 0.0 0.820.820.870.01	-0.790.790.130.0 0.0 0.18 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.17 -1.0 1.0 1.0 0.0 0.910.910.95 0.0 -1.0 1.0 1.0 0.0 0.9 0.9 0.95 0.0 -1.0 1.0 1.0 0.0 0.9 0.9 0.94 0.0 -1.0 1.0 1.0 0.0 0.9 0.9 0.94 0.0 -1.0 1.0 1.0 0.0 0.9 0.9 0.94 0.0	0.810.810.810.12 0.0 0.0 0.0 0.17 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.18 1.0 1.0 1.0 0.0 0.430.430.460.02 1.0 1.0 1.0 0.0 0.450.450.490.02 1.0 1.0 1.0 0.0 0.450.450.490.02 1.0 1.0 1.0 0.0 0.450.450.490.02 1.0 1.0 1.0 0.0 0.450.450.450.450.03	0.8 0.8 0.8 0.13 0.0 0.0 0.0 0.18 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.18 1.0 1.0 1.0 0.0 0.820.820.880.01 1.0 1.0 1.0 0.0 0.830.830.890.01 1.0 1.0 1.0 0.0 0.830.830.890.01 (0.1, 1, 10.0, 10.0, 1)	- 0.8 0.8 0.8 0.14 0.0 0.0 0.0 0.18 - 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.18 - 1.0 1.0 1.0 0.0 0.890.890.94 0.0 - 1.0 1.0 1.0 0.0 0.890.890.93 0.0 - 1.0 1.0 1.0 0.0 0.890.890.93 0.0 - 1.0 1.0 1.0 0.0 0.9 0.9 0.940.00 - 1.0 1.1 1.0 0.0 0.9 0.9 0.940.00 - 1.0 1.1 1.0 0.0 0.9 0.9 0.940.00
wt. no DNAdam	0.810.810.810.12 0.0 0.0 0.0 0.14 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 1	0.810.810.810.13 0.0 0.0 0.0.15	8 0.8 0.8 0.13 0.0 0.0 0.0 0.18 10 1.0 1.0 0.0 0.0 0.0 0.0 0.2 1.0 1.0 1.0 0.0 0.450.450.490.02 1.0 1.0 0.0 0.450.450.490.02 1.0 1.0 0.0 0.450.450.490.03 1.0 1.0 0.0 0.470.470.510.03 (0.1, 10.0, 0.1, 1, 0.1)	-0.810.810.83 0.13 0.0 0.0 0.0 0.18 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.17 -1.0 1.0 1.0 0.0 0.830.830.830.01 -1.0 1.0 1.0 0.0 0.810.810.880.01 -1.0 1.0 1.0 0.0 0.820.820.870.01 -1.0 1.0 1.0 0.0 0.820.820.870.01	-0.810.810.810.12 0.0 0.0 0.0 0.18 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.18 -1.0 1.0 1.0 0.0 0.9 0.9 0.95 0.0 -1.0 1.0 1.0 0.0 0.9 0.9 0.95 0.0	0.810.810.810.12 0.0 0.0 0.0 0.18 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.19 1.0 1.0 1.0 0.0 0.430.430.480.02 1.0 1.0 1.0 0.0 0.450.450.490.02 1.0 1.0 1.0 0.0 0.450.450.490.02 1.0 1.0 1.0 0.0 0.440.440.480.03 (0.1, 10.0, 0.1, 10.0, 0.1)	0.8 0.8 0.8 0.14 0.0 0.0 0.0 0.19 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.19 1.0 1.0 1.0 0.0 0.820.820.880.01 1.0 1.0 1.0 0.0 0.830.830.880.01 1.0 1.0 1.0 0.0 0.830.830.880.01 (0.1, 10.0, 0.1, 10.0, 1)	0.8 0.8 0.8 0.13 0.0 0.0 0.0 0.19 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.18 1.0 1.0 1.0 0.0 0.9 0.9 0.9 0.9 0.9 1.0 1.0 1.0 0.0 0.9 0.9 0.9 0.9 0.9 1.0 1.0 1.0 0.0 0.9 0.9 0.9 0.9 0.9 1.0 1.0 1.0 0.0 0.9 0.9 0.9 0.9 0.9 (0.1, 10.0, 0.1, 10.0, 10.0)
wt, no DNAdam	0.8 0.8 0.8 0.16 0.0 0.0 0.0 0.16	0.8 0.8 0.8 0.16 0.0 0.0 0.0 0.16 10 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	8 0.8 0.8 0.14 0.0 0.0 0.0 0.16 1 1.0 1.0 0.0 0.0 0.0 0.0 0.0 1 1.0 1.0 0.0 0.470.470.510.01 1 1.0 1.0 0.0 0.440.440.480.01 1 1.0 1.0 0.0 0.450.450.490.01 1 1.0 1.0 0.0 0.460.46 0.5 0.02 (0.1, 10.0, 1, 1, 0.1)	-0.810.810.810.14 0.0 0.0 0.0 0.17 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 -1.0 1.0 1.0 0.0 0.820.820.88 0.0 -1.0 1.0 1.0 0.0 0.830.820.89 0.0 -1.0 1.0 1.0 0.0 0.830.830.88 0.0 -1.0 1.0 1.0 0.0 0.830.830.88 0.0 -1.0 1.0 1.0 0.0 0.830.820.870.02	-0.810.810.810.15 0.0 0.0 0.0 0.16 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 -1.0 1.0 1.0 0.0 0.890.890.93 0.0 -1.0 1.0 1.0 0.0 0.890.890.95 0.0 -1.0 1.0 1.0 0.0 0.890.890.94 0.0 -1.0 1.0 1.0 0.0 0.890.890.94 0.0 -1.0 1.0 1.0 0.0 0.890.890.94 0.0	0.8 0.8 0.8 0.15 0.0 0.0 0.0 0.17 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0 1.0 0.0 0.470.470.51 0.0 1.0 1.0 1.0 0.020.450.450.490.02 1.0 1.0 1.0 0.00.440.440.480.01 1.0 1.0 0.0 0.470.470.510.02 (0.1, 10.0, 1, 10.0, 0.1)	0.790.790.790.150.0 0.0 0.0 0.0 0.18 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0 1.0 0.0 0.830.830.880.0 1.0 1.0 1.0 0.0 0.820.820.880.0 1.0 1.0 1.0 0.0 0.820.820.880.0 (0.1, 10.0, 1, 10.0, 1)	0.8 0.8 0.8 0.15 0.0 0.0 0.0 0.17 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0 1.0 0.0 0.9 0.9 0.95 0.0 1.0 1.0 1.0 0.0 0.9 0.9 0.940.0 1.0 1.0 1.0 0.0 0.910.910.94 0.0 1.0 1.0 1.0 0.0 0.910.910.94 0.0 (0.1, 10.0, 1, 10.0, 10.0)
wt, no DNAdam -0.790.790.1600 00 00.018 krasΔ, no DNAdam, 0/0 -10 10 10 00 00 00 00 0.0 0.0 0.0 0.0 0.0	0.8 0.8 0.8 0.17 0.0 0.0 0.0 0.19 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.1 1.0 1.0		820.820.820.150.0 0.0 0.0 0.22 1.0 1.0 0.0 0.0 0.0 0.0 0.22 1.0 1.0 0.0 0.450.450.490.02 1.0 1.0 0.0 0.450.450.5 0.04 1.0 1.0 0.0 0.480.480.510.03 1.0 1.0 0.0 0.480.480.510.03 1.0 1.0 0.0 0.480.480.510.03 1.0 1.0 0.0 0.480.480.510.03	0.8 0.8 0.8 0.16 0.0 0.0 0.0 0.22 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.22 1.0 1.0 1.0 0.0 0.810.810.870.01 1.0 1.0 1.0 0.0 0.830.830.830.01 1.0 1.0 1.0 0.0 0.830.830.830.01 1.0 1.0 1.0 0.0 0.830.830.830.02 (0.1, 10.0, 10.0, 1, 1)	-0.810.810.810.14 0.0 0.0 0.0 0.22 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.23 -1.0 1.0 1.0 0.0 0.891.891.93.01 -1.0 1.0 1.0 0.0 0.910.910.950.01 -1.0 1.0 1.0 0.0 0.910.910.950.01 -1.0 1.0 1.0 0.0 0.910.910.950.01 -1.0 1.0 1.0 0.0 0.910.910.950.01	0.8 0.8 0.8 0.16 0.0 0.0 0.0 0.23 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.23 1.0 1.0 1.0 0.0 0.470.470.510.03 1.0 1.0 0.0 0.470.45 0.5 0.04 1.0 1.0 0.0 0.450.45 0.5 0.03 1.0 1.0 0.050.460.460.510.05 (0.1, 10.0, 10.0, 10.0, 0.1)	0.8 0.8 0.8 0.16 0.0 0.0 0.0 0.25 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.23 1.0 1.0 1.0 0.0 0.840.840.880.01 1.0 1.0 1.0 0.0 0.820.820.890.01 1.0 1.0 1.0 0.0 0.830.830.890.01 1.0 1.0 1.0 0.0 0.830.830.890.01 (0.1, 10.0, 10.0, 10.0, 1)	-0.810.810.810.16 0.0 0.0 0.0 0.23 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.22 -1.0 1.0 1.0 0.0 0.890.890.94 0.0 -1.0 1.0 1.0 0.0 0.9 0.9 0.950.01 -1.0 1.0 1.0 0.0 0.9 0.9 0.950.01 -1.0 1.0 1.0 0.0 0.9 0.9 0.950.01 -1.0 1.0 1.0 0.0 0.9 0.9 0.950.01
wt, no DNAdam	0.810.810.810.15 0.0 0.0 0.0 0.17 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.11 1.0 1.0		810.810.810.16 0.0 0.0 0.0 0.24 10 1.0 1.0 0.0 0.0 0.0 0.0 0.22 10 1.0 1.0 0.0 0.460.46 0.5 0.04 11 10 10 0.0 0.470.47 0.5 0.05 11 10 10 0.0 0.450.45 0.5 0.08 11 10 10 0.0 0.470.470.510.05 11 10 10 0.0 0.470.470.510.05 11 10 10 0.0 0.1, 1, 0.1)	-0.810.810.810.15 0.0 0.0 0.0 0.23 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.24 -1.0 1.0 1.0 0.0 0.820.820.880.01 -1.0 1.0 1.0 0.0 0.830.830.880.02 -1.0 1.0 1.0 0.0 0.830.830.880.01 -1.0 1.0 1.0 0.0 0.830.830.880.01 -1.0 1.0 1.0 0.0 0.840.840.890.01	-0.8 0.8 0.8 0.16 0.0 0.0 0.0 0.23 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.25 -1.0 1.0 1.0 0.0 0.9 0.9 0.94 0.0 -1.0 1.0 1.0 0.0 0.9 0.9 0.95 0.01 -1.0 1.0 1.0 0.0 0.9 0.9 0.94 0.0 -1.0 1.0 1.0 0.0 0.9 0.9 0.94 0.0 -1.0 1.0 1.0 0.0 0.9 0.9 0.94 0.0	0.810.810.810.14 0.0 0.0 0.0 0.24 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.26 1.0 1.0 1.0 0.0 0.470.470.510.04 1.0 1.0 0.00.470.470.510.06 1.0 1.0 0.00.450.450.490.03 1.0 1.0 0.050.450.450.480.05 (1, 0.1, 0.1, 10.0, 0.1)	9.770.770.770.18 0.0 0.0 0.0 0.28 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.23 1.0 1.0 1.0 0.0 0.830.830.890.01 1.0 1.0 1.0 0.0 0.830.830.890.01 1.0 1.0 0.0 0.830.830.890.01 1.0 1.0 0.0 0.830.830.890.01 (1, 0.1, 0.1, 10.0, 1)	0.820.820.820.15 0.0 0.0 0.0 0.24 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.25 1.0 1.0 1.0 0.0 0.920.920.96 0.0 1.0 1.0 1.0 0.0 0.910.910.95 0.0 1.0 1.0 1.0 0.0 0.910.910.95 0.0 1.0 1.0 1.0 0.0 0.910.910.95 0.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
wt, no DNAdam - 1820.820.820.900 10 00.000	0.810.810.810.030.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 0.0 0.0	0.820.820.820.03 0.0 0.0 0.0 0.0 0.0 1.0 1.0 1.0 0.0 0.0	820.820.820.04 0.0 0.0 0.0 0.0 0.04  1 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0  1 1.0 1.0 0.0 0.070.07 0.1 0.0  1 1.0 1.0 0.0 0.060.06 0.1 0.0  1 1.0 1.0 0.0 0.060.06 0.1 0.0  (1, 0.1, 1, 1, 0.1)	-0.790.790.04 0.0 0.0 0.0 0.02 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.02 -1.0 1.0 1.0 0.0 0.340.340.47 0.0 -1.0 1.0 1.0 0.0 0.360.360.470.01 -1.0 1.0 1.0 0.0 0.360.360.49 0.0 -1.0 1.0 1.0 0.0 0.340.340.450.01	0.8 0.8 0.8 0.04 0.0 0.0 0.0 0.04 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0 1.0 0.0 0.570.57 0.7 0.0 1.0 1.0 1.0 0.0 0.550.550.69 01 1.0 1.0 1.0 0.0 0.550.550.67 0.0 1.0 1.0 1.0 0.0 0.550.550.710 01 (1, 0.1, 1, 1, 10.0)	0.790.790.790.04 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.810.810.810.030.0 0.0 0.0 0.04 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0 1.0 0.0 0.350.350.47 0.0 1.0 1.0 1.0 0.0 0.350.350.47 0.0 1.0 1.0 1.0 0.0 0.350.350.47 0.0 1.0 1.0 1.0 0.0 0.360.360.480.01 (1, 0.1, 1, 10.0, 1)	-0.810.810.810.03 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
wt, no DNAdam -0.8 0.8 0.8 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.8 0.8 0.8 0.0 0.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 0.0 0	0.810.810.810.03 0.0 0.0 0.0 0.04 -0.10 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	810.810.810.03 0.0 0.0 0.0 0.0 0.04  10 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.04  10 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.04  10 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.8 0.8 0.8 0.4 0.0 0.0 0.0 0.05 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.04 1.0 1.0 1.0 0.0 0.340.340.450.01 1.0 1.0 1.0 0.0 0.360.360.480.01 1.0 1.0 1.0 0.0 0.360.360.480.01 (1, 0.1, 10.0, 1, 1)	0.8 0.8 0.8 0.03 0.0 0.0 0.0 0.04 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.05 1.0 1.0 1.0 0.0 0.5 0.5 0.6 0.01 1.0 1.0 1.0 0.0 0.5 0.5 0.6 0.01	0.790.790.790.03 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.820.820.820.08 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-0.810.810.810.04 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
wt, no DNAdam - 1.810.810.810.810.810.810.810.810.810.81		0.8 0.8 0.8 0.04 0.0 0.0 0.0 0.04 -0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0 1.0 0.0 0.550.550.69 0.0	.8 0.8 0.8 0.03 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	0.8 0.8 0.8 0.04 0.0 0.0 0.0 0.05 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.05 1.0 1.0 1.0 0.0 0.370.37 0.5 0.0 1.0 1.0 1.0 0.0 0.380.38 0.5 0.0 1.0 1.0 1.0 0.0 0.380.38 0.5 0.0 1.0 1.0 1.0 0.0 0.370.370.490.0 (1, 1, 0.1, 1, 1)	-9.789.789.789.04 0.0 0.0 0.0 0.04 0.04 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.810.810.810.03 0.0 0.0 0.0 0.05 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.05 1.0 1.0 0.0 0.0 0.0 0.0 0.05 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.05 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.8 0.8 0.8 0.03 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	0.810.810.810.03 0.0 0.0 0.0 0.04 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.05 1.0 1.0 0.0 0.550.560.680.01 1.0 1.0 0.0 0.570.570.69 0.0 1.0 1.0 0.0 0.550.560.680.01 (1, 1, 0.1, 10.0, 10.0)
wt. no DNAdam	-0.820.820.820.11 0.0 0.0 0.0 0.12 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 -1.0 1.0 1.0 0.0 0.350.350.45 0.0 -1.0 1.0 1.0 0.0 0.360.350.350.460.02 -1.0 1.0 1.0 1.0 0.0 0.360.360.47 0.0 -1.0 1.0 1.0 0.0 0.360.350.350.460.04 -1.0 1.0 1.0 1.0 0.0 0.360.350.350.460.04 -1.0 1.0 1.0 1.0 0.0 0.360.360.47 0.0 -1.0 1.0 1.0 0.0 0.360.360.47 0.0 -1.0 1.0 0.0 0.360.360.47 0.0 -1.0 0.0 0.360.360.47 0.0 -1.0 0.0 0.360.360.47 0.0 -1.0 0.0 0.360.360.47 0.0 -1.0 0.0 0.360.360.47 0.0 -1.0 0.0 0.360.360.47 0.0 -1.0 0.0 0.360.360.47 0.0 -1.0 0.0 0.360.360.47 0.0 -1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.810.810.810.12 0.0 0.0 0.0.12 -0.10 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0	790.790.790.13 0.0 0.0 0.0 0.14 .0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.06 .0 1.0 1.0 0.0 0.0 0.0 0.0 0.00 .0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 .0 1.0 1.0 0.0 0.0 0.0 0.0 0.1 0.0 0.0 .0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.8 0.8 0.8 0.13 0.0 0.0 0.0 0.14 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0 1.0 0.0 0.360.360.470.01 1.0 1.0 1.0 0.0 0.360.360.470.04 1.0 1.0 1.0 0.0 0.360.360.470.02 1.0 1.0 1.0 0.0 0.360.380.490.05 (1, 1, 1, 1, 1)	-0.790.790.790.13 0.0 0.0 0.15 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.790.790.790.13 0.0 0.0 0.0 0.14 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0 1.0 0.0 0.070.070.110.02 1.0 1.0 1.0 0.0 0.070.070.090.05 1.0 1.0 1.0 0.0 0.070.07 0.1 0.02 1.0 1.0 1.0 0.050.070.07 0.1 0.05 (1, 1, 1, 1, 10.0, 0.1)	0.810.810.810.130.0 0.0 0.0 0.14 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0 1.0 0.0 0.350.350.480.01 1.0 1.0 1.0 0.0 0.350.350.470.01 1.0 1.0 1.0 0.0 0.350.350.470.01 1.0 1.0 1.0 0.0 0.380.380.490.04 (1, 1, 1, 10.0, 1)	- 0.8 0.8 0.8 0.13 0.0 0.0 0.0 0.14 - 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 - 1.0 1.0 1.0 0.0 0.550.550.690.01 - 1.0 1.0 1.0 0.0 0.550.550.680.02 - 1.0 1.0 1.0 0.0 0.550.550.680.01 - 1.0 1.0 1.0 0.0 0.550.580.710.03 - 1.0 1.1 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
wt. no DNAdam (1.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0	0.8 0.8 0.8 0.13 0.0 0.0 0.0 0.14 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 -1.0 1.0 1.0 0.0 0.360.360.470.02 -1.0 1.0 1.0 0.0 0.370.370.490.05 -1.0 1.0 1.0 0.0 0.370.370.490.01 -1.0 1.0 1.0 0.0 0.380.380.490.06 -1.0 1.0 1.0 0.0 0.380.380.490.06 -1.0 1.0 1.0 0.0 0.380.380.490.06 -1.0 1.0 0.0 0.380.380.380.490.06 -1.0 0.0 0.0 0.380.380.490.06 -1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.8 0.8 0.8 0.13 0.0 0.0 0.14 -0.14 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 1.14 1.0 1.0 1.0 0.0 0.560.560.690.01 1.0 1.0 1.0 0.0 0.560.560.690.01 1.0 1.0 1.0 0.0 0.560.560.70 0.0 1.0 1.0 1.0 0.0 0.560.560.680.04 1.0 1.0 1.0 0.0 0.560.560.680.04 1.0 1.0 1.0 0.0 0.560.560.680.04	810.810.810.13 0.0 0.0 0.0 0.18 10 1.0 1.0 0.0 0.0 0.0 0.0 0.16 10 1.0 1.0 0.0 0.070.070.110.05 1.0 1.0 0.0 0.080.080.110.07 1.0 1.0 0.0 0.080.080.110.05 1.0 1.0 0.0 0.070.07 0.1 0.07 1.1 1.1 0.0 1.1 0.0 0.0 0.0 0.0 0.0 0.0	0.8 0.8 0.8 0.14 0.0 0.0 0.0 0.18 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.17 1.0 1.0 1.0 0.0 0.350.350.460.04 1.0 1.0 1.0 0.0 0.350.350.480.04 1.0 1.0 1.0 0.0 0.370.370.490.03 1.0 1.0 1.0 0.0 0.360.360.480.04 (1, 1, 10.0, 1, 1)	-0.320.320.320.12 0.0 0.0 0.16 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.17 -1.0 1.0 1.0 0.0 0.570.57 0.7 0.02 -1.0 1.0 1.0 0.0 0.570.570.7 10.02 -1.0 1.0 1.0 0.0 0.570.570.7 0.02 -1.0 1.0 1.0 0.0 0.500.560.7 0.02 -1.0 1.0 1.0 0.0 0.0 0.500.560.7 0.03	0.810.810.810.13 0.0 0.0 0.0 0.17 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.16 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.10 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.110.08 1.0 1.0 1.0 0.0 0.070.070.110.08 1.0 1.0 1.0 0.060.080.080.110.07 (1, 1, 10.0, 10.0, 0.1)	0.8 0.8 0.8 0.13 0.0 0.0 0.0 0.18 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.17 1.0 1.0 1.0 0.0 0.360.360.490.02 1.0 1.0 1.0 0.040.360.360.480.05 1.0 1.0 1.0 0.00.370.370.480.04 1.0 1.0 1.0 0.050.360.360.480.05	-0.790.790.13 0.0 0.0 0.0 0.18 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.16 -1.0 1.0 1.0 0.0 0.6 0.6 0.730.01 -1.0 1.0 1.0 0.0 0.570.57 0.7 0.02 -1.0 1.0 1.0 0.0 0.570.57 0.7 0.03 -1.0 1.0 1.0 0.0 0.500.580.58 0.7 0.03 (1, 1, 10.0, 10.0, 10.0)
wt. no DNAdam (1, 10.0, 0.1, 0.1, 0.1) wt. no DNAdam, 0/0 (1, 10.0, 0.1, 0.1, 0.1) wt. no DNAdam, 0/0 (1, 10.0, 0.1, 0.1, 0.1) wt. no DNAdam, 0/0 (1, 10.0, 0.1, 0.1, 0.1)	-0.810.810.810.130.0 0.0 0.0 0.16 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 -1.0 1.0 1.0 0.0 0.0 0.350.350.480.02 -1.0 1.0 1.0 0.0 0.350.350.350.470.01 -1.0 1.0 1.0 0.0 0.350.350.350.470.01 -1.0 1.0 1.0 0.0 0.350.350.350.480.06 -1.0 1.0 1.0 0.0 0.350.350.350.480.06 -1.0 1.0 1.0 0.0 0.350.350.350.480.06 -1.0 1.0 0.0 0.350.350.350.480.06 -1.0 0.0 0.350.350.350.480.06 -1.0 0.0 0.350.350.350.480.06 -1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.08 -1	810.810.810.12 0.0 0.0 0.0 0.18 10 1.0 1.0 0.0 0.0 0.0 0.0 0.17 10 1.0 1.0 0.0 0.070.07 0.1 0.06 1.0 1.0 0.0 0.060.060.080.07 1.0 1.0 0.0 0.080.080.110.06 1.0 1.0 0.0 0.080.080.110.08 (1, 10.0, 0.1, 1, 0.1)	0.8 0.8 0.8 0.13 0.0 0.0 0.0 0.18 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.17 1.0 1.0 1.0 0.0 0.360.360.480.04 1.0 1.0 1.0 0.0 0.380.380.480.04 1.0 1.0 1.0 0.0 0.380.380.480.05 (1, 10.0, 0.1, 1, 1)	- 0.8 0.8 0.8 0.13 0.0 0.0 0.18 - 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.19 - 1.0 1.0 1.0 0.0 0.570.57 0.7 0.02 - 1.0 1.0 1.0 0.0 0.580.58 0.7 0.04 - 1.0 1.0 1.0 0.0 0.580.580.7 10.02 - 1.0 1.0 1.0 0.0 0.580.570.57 0.7 0.03 - 1.0 1.0 1.0 0.0 0.0 0.580.580.7 10.02	0.8 0.8 0.8 0.14 0.0 0.0 0.0 0.19 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.18 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.19 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.19 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.19 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.19 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.19 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.19 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.19 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.19	0.810.810.810.12 0.0 0.0 0.0 0.18 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.19 1.0 1.0 1.0 0.0 0.370.370.490.03 1.0 1.0 1.0 0.040.360.360.480.04 1.0 1.0 1.0 0.040.360.360.5 0.03 1.0 1.0 1.0 0.040.390.390.5 0.04 (1, 10.0, 0.1, 10.0, 1)	-0.810.810.810.13 0.0 0.0 0.0 0.18 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.18 -1.0 1.0 1.0 0.0 0.570.570.710.02 -1.0 1.0 1.0 0.0 0.500.560.690.03 -1.0 1.0 1.0 0.0 0.590.590.720.02 -1.0 1.0 1.0 0.0 0.570.570.720.03 (1, 10.0, 0.1, 10.0, 10.0)
wt. no DNAdam -0.790.790.790.160.0 0.0 0.017 krasΔ, no DNAdam, 0/0 -10 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.810.810.810.14 0.0 0.0 0.0 0.15 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0 1.0 0.0 0.360.360.480.01 1.0 1.0 1.0 0.0 0.360.360.470.06 1.0 1.0 1.0 0.0 0.350.350.460.01 1.0 1.0 1.0 0.060.350.350.480.06 (1, 10.0, 1, 0.1, 1)	1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 1.03	790.790.790.16 0.0 0.0 0.0 0.18 10 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.09 10 1.0 1.0 0.0 0.070.07 0.1 0.03 1.0 1.0 0.0 0.090.080.110.08 1.0 1.0 0.0 0.090.090.120.03 1.0 1.0 0.080.060.060.090.08 (1, 10.0, 1, 1, 0.1)	-0.820.820.820.14 0.0 0.0 0.0 0.16 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.09 -1.0 1.0 1.0 0.0 0.350.350.470.01 -1.0 1.0 1.0 0.050.370.370.490.05 -1.0 1.0 1.0 0.0 0.340.340.450.02 -1.0 1.0 1.0 0.050.380.380.5 0.05	0.8 0.8 0.8 0.15 0.0 0.0 0.16 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0 1.0 0.0 0.530.530.670.02 1.0 1.0 1.0 0.0 0.570.57 0.7 0.01 1.0 1.0 1.0 0.0 0.570.57 0.7 0.02 (1, 10.0, 1, 1, 10.0)	0.790.790.790.16 0.0 0.0 0.0 0.18 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.810.810.810.14 0.0 0.0 0.0 0.17 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.1 1.0 1.0 1.0 0.0 0.380.380.490.02 1.0 1.0 1.0 0.0 0.360.350.470.06 1.0 1.0 1.0 0.0 0.360.360.490.02 1.0 1.0 1.0 0.060.350.350.480.06 (1, 10.0, 1, 10.0, 1)	0.8 0.8 0.8 0.14 0.0 0.0 0.0 0.17 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.1 1.0 1.0 1.0 0.0 0.570.570.680.01 1.0 1.0 1.0 0.0 0.560.56 0.7 0.01 1.0 1.0 1.0 0.0 0.570.57 0.7 0.02 (1, 10.0, 1, 10.0, 10.0)
wt, no DNAdam krasΔ, no DNAdam, 0/0 krasΔ, DNAdam, 0/0 krasΔ, DNAdam, 0/0 krasΔ, DNAdam, chek1i/0 krasΔ, DNAdam, 0/mk2i krasΔ, DNAdam, chek1i/mk2i krasΔ, DNAdam, chek1i/mk2i	0.790.790.17 0.0 0.0 0.0 0.19	1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 1	8 0.8 0.8 0.16 0.0 0.0 0.0 0.21 0 1.0 1.0 0.0 0.0 0.0 0.0 0.21 0 1.0 1.0 0.0 0.0 0.0 0.1 0.07 0 1.0 1.0 0.0 0.070.07 0.1 0.1 0 1.0 1.0 0.0 0.080.08 0.1 0.08 0 1.0 1.0 0.110.080.080.120.11 (1, 10.0, 10.0, 1, 0.1)	-0.820.820.820.14 0.0 0.0 0.0 0.21 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.23 -1.0 1.0 1.0 0.0 0.370.370.490.06 -1.0 1.0 1.0 0.0 0.370.370.490.07 -1.0 1.0 1.0 0.0 0.380.380.490.05 -1.0 1.0 1.0 0.0 0.380.380.490.05 -1.0 1.0 1.0 0.0 0.390.390.5 0.07	-0.810.810.810.15 0.0 0.0 0.0 0.22 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.21 -1.0 1.0 1.0 0.0 0.560.56 0.7 0.03 -1.0 1.0 1.0 0.0 0.580.590.720.04 -1.0 1.0 1.0 0.0 0.580.58 0.7 0.02 -1.0 1.0 1.0 0.0 0.590.590.720.02 -1.0 1.0 1.0 0.0 0.0 0.590.590.720.02	0.8 0.8 0.8 0.16 0.0 0.0 0.0 0.23 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.24 1.0 1.0 1.0 0.0 0.070.07 0.1 0.08 1.0 1.0 1.0 0.0 0.080.080.11 0.1 1.0 1.0 1.0 0.110.080.080.110.11 (1, 10.0, 10.0, 10.0, 0.1)	0.8 0.8 0.8 0.16 0.0 0.0 0.0 0.24 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.22 1.0 1.0 1.0 0.0 0.380.38 0.5 0.05 1.0 1.0 1.0 0.0 0.380.39 0.5 0.06 1.0 1.0 1.0 0.0 0.380.38 0.5 0.04 1.0 1.0 1.0 0.0 0.380.38 0.5 0.04 1.0 1.0 1.0 0.0 0.380.380.5 0.04 (1, 10.0, 10.0, 10.0, 1)	-0.820.820.14 0.0 0.0 0.0 0.22 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.23 -1.0 1.0 1.0 0.0 0.580.580.710.03 -1.0 1.0 1.0 0.0 0.580.580.7 0.03 -1.0 1.0 1.0 0.0 0.580.580.7 0.03 -1.0 1.0 1.0 0.0 0.580.590.710.03 -1.0 1.0 1.0 0.0 0.580.590.710.03 -1.0 1.0 1.0 0.0 0.0 0.580.590.710.03
wt, no DNAdam	-0.810.810.16 0.0 0.0 0.0 0.16 -10 1.0 1.0 0.0 0.0 0.0 0.0 0.11 -10 1.0 1.0 0.0 0.360.360.480.02 -10 1.0 1.0 0.0 0.370.370.490.07 -10 1.0 1.0 0.0 0.380.38 0.5 0.08 -10 1.0 1.0 0.1 0.350.350.480.1	0.790.790.790.17 0.0 0.0 0.0 0.2 -0.10 1.0 1.0 0.0 0.0 0.0 0.0 0.11 1.0 1.0	810.810.80.16 0.0 0.0 0.0 0.24 10 1.0 1.0 0.0 0.0 0.0 0.0 0.25 1 1.0 1.0 0.0 0.0 0.0 0.0 0.25 1 1.0 1.0 0.0 0.0 0.0 0.0 0.1 1 1.0 1.0 0.0 0.0 0.0 0.0 0.1 1 1.0 1.0 0.1 0.1 0.0 0.0 0.0 0.1	-0.810.810.810.15 0.0 0.0 0.0 0.24 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.24 -1.0 1.0 1.0 0.0 0.380.380.5 0.06 -1.0 1.0 1.0 0.0 0.380.380.5 0.06 -1.0 1.0 1.0 0.0 0.380.380.5 10.05 -1.0 1.0 1.0 0.0 0.380.380.5 10.05 -1.0 1.0 1.0 0.0 0.390.390.5 10.07 (10.0, 0.1, 0.1, 1, 1)	0.8 0.8 0.8 0.16 0.0 0.0 0.0 0.25 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.26 1.0 1.0 1.0 0.0 0.590.590.730.02 1.0 1.0 1.0 0.0 0.590.570.710.02 1.0 1.0 1.0 0.0 0.590.590.730.03 1.0 1.0 1.0 0.040.610.610.730.02 (10.0, 0.1, 0.1, 1, 10.0)	0.8 0.8 0.8 0.16 0.0 0.0 0.0 0.25 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.23 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.23 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.10 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.12 0.1 1.0 1.0 1.0 0.110.070.070.110.11 (10.0, 0.1, 0.1, 10.0, 0.1)	0.8 0.8 0.8 0.16 0.0 0.0 0.0 0.24 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.24 1.0 1.0 1.0 0.0 0.390.390.510.04 1.0 1.0 1.0 0.0 0.4 0.4 0.5 0.04 1.0 1.0 1.0 0.0 0.4 0.4 0.5 0.04 1.0 1.0 1.0 0.0 0.4 0.4 0.5 0.04 1.0 1.0 1.0 0.0 0.4 0.4 0.5 0.04	-0.820.820.15 0.0 0.0 0.0 0.23 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.25 -1.0 1.0 1.0 0.0 0.620.620.740.02 -1.0 1.0 1.0 0.0 0.6 0.6 0.720.02 -1.0 1.0 1.0 0.0 0.6 0.6 0.730.03 -1.0 1.0 1.0 0.0 0.6 0.6 0.730.03
wt, no DNAdam - 0.820.820.820.820.00 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	-0.810.810.810.03 0.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 0.0 0.0	0.810.810.810.03 0.0 0.0 0.0 0.03 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 1 1.0 1.0 1.0 0.0 0.450.45 0.5 0.0 1.0 1.0 1.0 0.0 0.450.45 0.470.01 1.0 1.0 1.0 0.0 0.450.450.48 0.0 1.0 1.0 1.0 0.0 0.450.450.48 0.0 1.0 1.0 1.0 0.0 0.450.450.48 0.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	810.810.810.04 0.0 0.0 0.0 0.0 0.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0 0.0 0.050.050.050.01 1.0 1.0 0.0 0.050.050.050.01 1.0 1.0 0.0 0.050.050.050.050.01 1.0 1.0 0.0 0.050.050.050.050.02 (10.0, 0.1, 1, 1, 0.1)	-0.8 0.8 0.8 0.04 0.0 0.0 0.0 0.04 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.02 -1.0 1.0 1.0 0.0 0.220.220.25 0.0 -1.0 1.0 1.0 0.0 0.240.260.270.02 -1.0 1.0 1.0 0.0 0.240.240.26 0.0 -1.0 1.0 1.0 0.020.230.230.250.02 (10.0, 0.1, 1, 1, 1)	-0.810.810.810.03 0.0 0.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 0.0 0	-0.820.820.820.03 0.0 0.0 0.0 0.03 -0.1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.02 -0.1.0 1.0 0.0 0.040.040.040.01 -0.1.0 1.0 0.020.050.050.050.02 -0.1.0 1.0 0.020.040.040.040.02 -0.1.0 1.0 0.020.040.040.02 -0.1.0 1.0 0.020.040.040.02	0.790.790.790.040.0 0.0 0.0 0.04 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.02 1.0 1.0 1.0 0.0 0.230.230.250.01 1.0 1.0 1.0 0.0 0.230.230.250.01 1.0 1.0 1.0 0.0 0.230.230.250.01 1.0 1.0 1.0 0.0 0.230.230.250.01 1.0 1.0 1.0 1.0 0.00.230.230.260.02	-0.810.810.810.03 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
wt, no DNAdam - 0.810.810.810.810.810.810.810.810.810.81	-0.810.810.810.03 0.0 0.0 0.0 0.031.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.01.0 1.0 1.0 0.0 0.0 0.230.250.011.0 1.0 1.0 0.0 0.230.230.250.021.0 1.0 1.0 0.0 0.240.240.26 0.01.0 1.0 1.0 0.0 0.240.240.250.02 (10.0, 0.1, 10.0, 0.1, 1)	0.8 0.8 0.8 0.04 0.0 0.0 0.0 0.04 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0 1.0 0.0 0.450.450.49 0.0 1.0 1.0 1.0 0.0 0.450.450.49 0.0 1.0 1.0 1.0 0.0 0.450.450.49 0.0 1.0 1.0 1.0 0.0 0.440.440.49 0.0 1.0 1.0 0.0 0.1, 10.0, 0.1, 10.0)	8 0.8 0.8 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.	-0.8 0.8 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-0.810.810.810.04 0.0 0.0 0.0 0.04 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.04 -1.0 1.0 1.0 0.0 0.440.440.480.01 -1.0 1.0 1.0 0.00.450.450.490.01 -1.0 1.0 1.0 0.00.450.450.490.01 -1.0 1.0 1.0 0.00.450.450.490.01 -1.0 1.0 1.0 0.00.450.450.490.01	-0.810.810.03 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-0.780.780.780.04 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.8 0.8 0.8 0.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
wt, no DNAdam	0.810.810.810.03 0.0 0.0 0.0 0.04	0.810.810.810.04 0.0 0.0 0.0 0.04 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	790.790.790.03 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	- 0.8 0.8 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.8 0.8 0.8 0.04 0.0 0.0 0.0 0.05 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.5 1.0 1.0 1.0 0.0 0.450.450.490.0 1.0 1.0 1.0 0.0 0.430.470.0 1.0 1.0 1.0 0.0 0.430.430.470.0 1.0 1.0 1.0 0.0 0.430.420.450.02 (10.0, 1, 0.1, 1, 10.0)	0.8 0.8 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0	- 0.8 0.8 0.8 0.04 0.0 0.0 0.0 0.05 - 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.04 - 1.0 1.0 1.0 0.0 0.240.240.260.01 - 1.0 1.0 1.0 0.0 0.230.230.250.01 - 1.0 1.0 1.0 0.0 0.240.240.270.02 - 1.0 1.0 1.0 0.0 0.0 0.240.270.02 - 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-0.810.810.810.03 0.0 0.0 0.0 0.04 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.05 -1.0 1.0 1.0 0.0 0.430.430.470.01 -1.0 1.0 1.0 0.0 0.420.420.470.01 -1.0 1.0 1.0 0.020.430.430.470.02 -1.0 1.0 1.0 0.020.430.430.470.02
wt, no DNAdam - 0.810.810.810.12 00 00 010.01.2 krasΔ, no DNAdam, 0/0 - 10 10 00 00 00 00 00 00 00 00 00 00 00	-1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.01.0 1.0 1.0 0.0 0.0 0.240.240.270.01 -1.0 1.0 1.0 0.060.220.220.240.06 -1.0 1.0 1.0 0.0 0.230.250.01 -1.0 1.0 1.0 0.080.240.260.08 -1.0 1.0 1.0 1.0 0.080.240.240.260.08	1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0	8 0.8 0.8 0.13 0.0 0.0 0.0 0.14 0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	-0.810.810.810.12 0.0 0.0 0.0 0.14 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 -1.0 1.0 1.0 0.0 0.260.260.280.02 -1.0 1.0 1.0 0.0 0.230.230.250.07 -1.0 1.0 1.0 0.0 0.230.230.260.08 -1.0 1.0 1.0 0.0 0.230.230.260.08 -1.0 1.0 1.0 0.0 0.250.250.07	-0.810.810.810.12 0.0 0.0 0.13 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 -1.0 1.0 1.0 0.0 0.440.440.480.02 -1.0 1.0 1.0 0.050.430.430.470.05 -1.0 1.0 1.0 0.00.440.440.480.02 -1.0 1.0 1.0 0.00.460.460.5 0.06 -1.0 1.0 1.0 1.0 0.00.460.460.5 0.06	0.8 0.8 0.8 0.13 0.0 0.0 0.0 0.14 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.07 1.0 1.0 1.0 0.0 0.050.050.050.02 1.0 1.0 0.080.040.040.040.08 1.0 1.0 0.080.040.040.040.08 (10.0, 1, 1, 10.0, 0.1)	-0.810.810.810.12 0.0 0.0 0.0 0.13 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.07 -1.0 1.0 1.0 0.0 0.0 0.270.270.290.02 -1.0 1.0 1.0 0.0 0.230.230.260.07 -1.0 1.0 1.0 0.0 0.240.240.270.02 -1.0 1.0 1.0 0.070.250.250.280.07	-0.790.790.790.13 0.0 0.0 0.0 0.14 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.07 -1.0 1.0 1.0 0.0 0.430.430.470.02 -1.0 1.0 1.0 0.050.440.440.480.05 -1.0 1.0 1.0 0.050.430.430.460.05 -1.0 1.0 1.0 0.050.430.430.460.05 -1.0 1.0 1.0 1.0 0.050.430.430.450.05
wt, no DNAdam (10.00.12.00.00.12.00.00.12.00.00.12.00.00.12.00.00.12.00.00.00.00.00.00.00.00.00.00.00.00.00	0.8 0.8 0.8 0.13 0.0 0.0 0.0 0.14	1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 1	8 0.8 0.8 0.13 0.0 0.0 0.0 0.18 0 1.0 1.0 0.0 0.0 0.0 0.0 0.17 0 1.0 1.0 0.0 0.050.050.050.07 0 1.0 1.0 0.090.050.050.060.09 1 1.0 1.0 0.090.050.050.060.08 1 1.0 1.0 0.090.050.050.050.09 (10.0, 1, 10.0, 1, 0.1)	-0.8 0.8 0.8 0.13 0.0 0.0 0.0 0.17 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.15 -1.0 1.0 1.0 0.0 0.230.230.250.05 -1.0 1.0 1.0 0.0 0.240.240.260.05 -1.0 1.0 1.0 0.080.250.250.270.08 (10.0, 1, 10.0, 1, 1)	0.8 0.8 0.8 0.13 0.0 0.0 0.17 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.16 1.0 1.0 1.0 0.0 0.0 0.440.440.480.04 1.0 1.0 1.0 0.0 0.440.440.480.04 1.0 1.0 1.0 0.0 0.440.440.480.04 1.0 1.0 1.0 0.0 0.440.440.480.04 1.0 1.0 1.0 0.0 0.430.430.470.06 (10.0, 1, 10.0, 1, 10.0)	-0.790.790.790.14 0.0 0.0 0.0 0.19 -0.10 1.0 0.0 0.0 0.0 0.0 0.0 0.17 -0.10 1.0 0.0 0.050.050.050.07 -0.10 1.0 0.0 0.050.050.050.07 -0.10 1.0 0.1 0.050.050.050.05 -1.0 1.0 0.1 0.050.050.050.05 -1.0 1.0 0.1 0.050.050.050.05	0.790.790.790.14 0.0 0.0 0.0 0.18 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.18 1.0 1.0 1.0 0.0 0.250.250.270.06 1.0 1.0 1.0 0.0 0.250.250.270.07 1.0 1.0 1.0 0.0 0.250.250.270.06 1.0 1.0 1.0 0.0 0.250.250.270.08 (10.0, 1, 10.0, 10.0, 1)	-0.810.810.810.14 0.0 0.0 0.0 0.18 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.18 -1.0 1.0 1.0 0.0 0.460.460.490.04 -1.0 1.0 1.0 0.060.440.440.480.06 -1.0 1.0 1.0 0.050.450.450.490.05 -1.0 1.0 1.0 0.050.450.450.490.05
wt. no DNAdam (10.00 10	-1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.01.0 1.0 1.0 0.0 0.0 0.230.230.250.031.0 1.0 1.0 0.0 0.240.240.260.031.0 1.0 1.0 0.0 0.240.240.260.05 (10.0, 10.0, 0.1, 0.1, 1)	1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0	810.810.810.13 0.0 0.0 0.0 0.18 0 1.0 1.0 0.0 0.0 0.0 0.0 0.19 1 1.0 1.0 0.0 0.050.050.060.08 1 1.0 1.0 0.0 0.040.050.050.07 1 1.0 1.0 0.110.040.040.050.11 (10.0, 10.0, 0.1, 1, 0.1)	-0.8 0.8 0.8 0.13 0.0 0.0 0.0 0.19 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.18 -1.0 1.0 1.0 0.0 0.250.250.270.06 -1.0 1.0 1.0 0.0 0.250.250.270.05 -1.0 1.0 1.0 0.0 0.250.250.270.05 -1.0 1.0 1.0 0.090.250.250.280.09 (10.0, 10.0, 0.1, 1, 1)	-0.810.810.810.12 0.0 0.0 0.1 0.17 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.17 -1.0 1.0 1.0 0.00.450.45 0.5 0.04 -1.0 1.0 1.0 0.060.440.440.480.06 -1.0 1.0 1.0 0.060.430.450.450.480.04 -1.0 1.0 1.0 0.060.430.430.470.06 (10.0, 10.0, 0.1, 1, 10.0)	0.820.820.12 0.0 0.0 0.0 0.17 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.18 1.0 1.0 1.0 0.0 0.040.040.050.08 1.0 1.0 1.0 0.090.050.050.05 0.1 1.0 1.0 1.0 0.1 0.050.050.050.07 1.0 1.0 1.0 0.1 0.060.060.060.11 (10.0, 10.0, 0.1, 10.0, 0.1)	0.8 0.8 0.8 0.14 0.0 0.0 0.0 0.19 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.18 1.0 1.0 1.0 0.0 0.0 0.260.260.290.06 1.0 1.0 1.0 0.0 0.70.240.240.270.08 1.0 1.0 1.0 0.0 0.70.260.260.290.08 (10.0, 10.0, 0.1, 10.0, 1)	-0.810.810.810.14
wt. no DNAdam (10.01.15.00 0.00.16.16.16.16.16.16.16.16.16.16.16.16.16.	-1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 -1.0 1.0 1.0 0.0 0.0 0.230.230.250.02 -1.0 1.0 1.0 0.0 0.230.230.250.01 -1.0 1.0 1.0 0.0 0.230.250.250.01 -1.0 1.0 1.0 0.0 0.230.250.250.270.09 -1.0 1.0 0.0 0.0 0.250.250.270.09 -1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.0 1.0 1.0 0.080.430.430.470.08 1.0 1.0 1.0 0.0 0.440.440.480.01 1.0 1.0 1.0 0.070.430.430.470.07 (10.0, 10.0, 1, 0.1, 10.0)	820.820.820.14 0.0 0.0 0.0 0.16 0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0 1.0 1.0 0.0 0.050.050.050.04 0 1.0 1.0 0.110.040.040.050.11 0 1.0 1.0 0.110.040.040.050.11 (10.0, 10.0, 1, 1, 0.1)	-0.8 0.8 0.8 0.15 0.0 0.0 0.0 0.16 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.09 -1.0 1.0 1.0 0.0 0.240.240.260.03 -1.0 1.0 1.0 0.10.240.240.26 0.1 -1.0 1.0 1.0 0.10.240.240.27 0.1 (10.0, 10.0, 1, 1, 1)	0.8 0.8 0.8 0.15 0.0 0.0 0.10 0.17 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.09 1.0 1.0 1.0 0.0 0.440.440.480.02 1.0 1.0 1.0 0.00.460.460.510.02 1.0 1.0 1.0 0.00.460.460.5 0.07 (10.0, 10.0, 1, 1, 10.0)	0.810.810.810.15 0.0 0.0 0.0 0.17 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.1 1.0 1.0 1.0 0.0 0.040.040.040.04 1.0 1.0 1.0 0.10.050.050.050.11 1.0 1.0 1.0 0.1 0.50.050.050.1 (10.0, 10.0, 1, 10.0, 0.1)	0.8 0.8 0.8 0.15 0.0 0.0 0.0 0.17 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0 1.0 0.0 0.250.250.270.04 1.0 1.0 1.0 0.0 0.260.240.240.270.08 1.0 1.0 1.0 0.1 0.260.260.280.03 1.0 1.0 1.0 0.1 0.230.230.26 0.1 (10.0, 10.0, 1, 10.0, 1)	-0.820.820.14 0.0 0.0 0.0 0.17 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.09 -1.0 1.0 1.0 0.0 0.440.440.480.02 -1.0 1.0 1.0 0.0 0.450.450.490.03 -1.0 1.0 1.0 0.80.450.450.490.08 (10.0, 10.0, 1, 10.0, 10.0)
wt. no DNAdam	-1.0 1.0 1.0 0.0 0.0 0.0 0.1 -1.0 1.0 1.0 0.0 0.230.230.260.03 -1.0 1.0 1.0 0.0 0.240.240.260.11 -1.0 1.0 1.0 0.0 0.240.240.260.12 -1.0 1.0 1.0 1.0 0.120.230.230.260.12 -1.0 1.0 1.0 0.10 0.10 0.10 0.10 0.10 0	1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.1 1.0 1.0	790.790.790.16 0.0 0.0 0.0 0.23 10 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.24 10 1.0 1.0 0.0 0.050.050.06 0.1 10 1.0 1.0 0.120.040.040.050.13 10 1.0 1.0 0.130.050.050.060.13 (10.0, 10.0, 10.0, 1, 0.1)	-0.810.810.810.16 0.0 0.0 0.0 0.23 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.21 -1.0 1.0 1.0 0.0 0.260.260.290.08 -1.0 1.0 1.0 0.1 0.280.28 0.3 0.11 -1.0 1.0 1.0 0.1 0.230.230.260.09 -1.0 1.0 1.0 0.110.260.260.280.11 (10.0, 10.0, 10.0, 1, 1)	0.8 0.8 0.8 0.16 0.0 0.0 0.0 0.23 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.22 1.0 1.0 1.0 0.0 0.450.450.490.06 1.0 1.0 1.0 0.00.450.440.440.08 1.0 1.0 1.0 0.00.450.450.490.07 1.0 1.0 1.0 0.00.450.450.490.07 1.0 1.0 1.0 0.00.450.460.5 0.08 (10.0, 10.0, 10.0, 1, 10.0)	0.830.830.830.14 0.0 0.0 0.0 0.21 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.22 1.0 1.0 1.0 0.0 0.040.040.050.11 1.0 1.0 1.0 0.0 0.050.050.050.12 1.0 1.0 1.0 0.140.050.050.060.14 (10.0, 10.0, 10.0, 10.0, 0.1)	0.810.810.810.15 0.0 0.0 0.0 0.23 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.24 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.24 1.0 1.0 1.0 0.0 0.260.260.280.09 1.0 1.0 1.0 0.0 0.250.250.280.08 1.0 1.0 1.0 0.110.250.250.280.11 (10.0, 10.0, 10.0, 10.0, 1)	-0.810.810.810.16 0.0 0.0 0.0 0.24 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.23 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.23 -1.0 1.0 1.0 0.0 0.460.46 0.5 0.05 -1.0 1.0 1.0 0.0 0.470.47 0.5 0.05 -1.0 1.0 1.0 0.0 0.470.470.520.05 -1.0 1.0 1.0 0.080.460.46 0.5 0.08 (10.0, 10.0, 10.0, 10.0, 10.0)
wt. no DNAdam (1310,810,15,10,010,10,10,10,10,10,10,10,10,10,10,10	-1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.12 - -1.0 1.0 1.0 0.0 0.250.250.270.05 - -1.0 1.0 1.0 0.110.250.250.270.11 - -1.0 1.0 1.0 0.0 0.230.230.260.05 - -1.0 1.0 1.0 0.130.240.240.250.13 -	1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.11 1.0 1.0 1.0 0.0 0.440.440.480.04 1.0 1.0 1.0 0.0 0.440.440.480.05 1.0 1.0 1.0 0.0 0.440.440.480.05 1.0 1.0 1.0 0.0 0.440.440.490.09	8 0.8 0.8 0.17 0.0 0.0 0.0 0.26 0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.23 0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.23 0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.12 0 1.0 1.0 0.120.050.050.060.14 0 1.0 1.0 0.160.050.050.060.11 Y & T & G & C & C & C & C & C & C & C & C & C	-0.810.810.810.15 0.0 0.0 0.0 0.0 0.24 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.23 -1.0 1.0 1.0 0.0 0.280.280.310.09 -1.0 1.0 1.0 0.10.240.240.260.11 -1.0 1.0 1.0 0.10.250.250.270.09 -1.0 1.0 1.0 0.120.250.250.270.12 -1.0 1.0 1.0 0.120.250.250.270.12 -1.0 1.0 1.0 0.120.250.250.270.12 -1.0 1.0 1.0 0.120.250.250.270.12	-0.8 0.8 0.8 0.16 0.0 0.0 0.0 0.24 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.25 -1.0 1.0 1.0 0.0 0.450.450.480.06 -1.0 1.0 1.0 0.060.470.470.5 0.07 -1.0 1.0 1.0 0.070.470.470.5 0.07 -1.0 1.0 1.0 0.070.470.470.5 0.07 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.8 0.8 0.8 0.16 0.0 0.0 0.0 0.26 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.25 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.05 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.05 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.14 1.0 1.0 1.0 0.140.00 0.0 0.0 0.14 1.0 1.0 1.0 0.140.00 0.0 0.0 0.14 1.0 1.0 1.0 0.140.00 0.0 0.0 0.14	-0.810.810.810.15 0.0 0.0 0.0 0.24 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.25 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.25 -1.0 1.0 1.0 0.0 0.270.27 0.3 0.09 -1.0 1.0 1.0 0.0 0.260.260.290.08 -1.0 1.0 1.0 0.1 0.280.28 0.3 0.1 -1.0 1.0 1.0 0.1 0.280.28 0.3 0.1 -1.0 1.0 0.0 0.1 0.280.28 0.3 0.1	-0.8 0.8 0.8 0.17 0.0 0.0 0.0 0.25 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.23 -1.0 1.0 1.0 0.0 0.470.470.520.06 -1.0 1.0 1.0 0.0 0.470.470.510.06 -1.0 1.0 1.0 0.0 0.470.470.510.06 -1.0 1.0 1.0 0.0 0.480.480.530.06
BRA BRA ATM AT DSB_SS CASP Proliferation	BRA ME DSB CDk ATM AT DSB SS CASP Proliferatio	ME DSB_SS Proliferatio	ME CDk CDk ATM AT DSB_SS CASF Proliferation	BRA BRA ME DSB SS CASF Proliferatio	BRA ME DSB CASF DSB CASF Proliferation	BRA ME DSB SS CASP Proliferation	BRA ME DS CDK ATM AT DSB_SS CASP Proliferation	BRA ME D3 CDK ATM A7 DSB_SS CASF Proliferatio