(0.1, 0.1, 0.1, 0.1, 0.1)  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	(0.1, 0.1, 0.1, 0.1, 1)  -0.79 0.79 0.79 0.84 0.0 0.0 0.0 0.841.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 1.01.0 1.0 1.0 0.13 0.81 0.81 0.87 0.131.0 1.0 1.0 0.11 0.83 0.83 0.89 0.111.0 1.0 1.0 0.12 0.82 0.82 0.88 0.121.0 1.0 1.0 0.11 0.83 0.83 0.89 0.11 -	(0.1, 0.1, 0.1, 0.1, 10.0)  0.8 0.8 0.8 0.8 0.0 0.0 0.0 0.8 0.8 0.1 0.1 0.0 0.0 0.0 0.0 0.9 0.0 0.0 0.0 0.0 0.0	(0.1, 0.1, 0.1, 1, 0.1)  -0.81 0.81 0.81 0.86 0.0 0.0 0.0 0.86 -1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 -1.0 1.0 1.0 0.12 0.82 0.82 0.88 0.12 -1.0 1.0 1.0 0.12 0.82 0.82 0.88 0.12 -1.0 1.0 1.0 0.11 0.84 0.84 0.89 0.11 -1.0 1.0 1.0 0.12 0.83 0.83 0.88 0.12	(0.1, 0.1, 0.1, 1, 1)  -0.81 0.81 0.81 0.87 0.0 0.0 0.0 0.87  -1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0  -1.0 1.0 1.0 0.1 0.83 0.83 0.89 0.11  -1.0 1.0 1.0 0.1 0.8 0.8 0.8 0.12  -1.0 1.0 1.0 0.1 0.8 0.8 0.8 0.12  -1.0 1.0 1.0 0.1 0.8 0.8 0.8 0.8 0.12  -1.0 1.0 1.0 0.1 0.8 0.8 0.8 0.8 0.13	(0.1, 0.1, 0.1, 1, 10.0)  -0.81 0.81 0.81 0.87 0.0 0.0 0.0 0.0 0.87 -1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 1.0 -1.0 1.0 1.0 0.1 0.84 0.84 0.9 0.1 -1.0 1.0 1.0 0.12 0.82 0.82 0.88 0.12 -1.0 1.0 1.0 0.13 0.81 0.81 0.87 0.13	(0.1, 0.1, 0.1, 10.0, 0.1)	(0.1, 0.1, 0.1, 10.0, 1)  - 0.8 0.8 0.8 0.8 0.0 0.0 0.0 0.0 0.6 -1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 -1.0 1.0 1.0 0.13 0.81 0.81 0.87 0.13 -1.0 1.0 1.0 0.12 0.83 0.83 0.88 0.12 -1.0 1.0 1.0 0.12 0.83 0.83 0.88 0.12 -1.0 1.0 1.0 0.12 0.83 0.83 0.88 0.12	(0.1, 0.1, 0.1, 10.0, 10.0)  -0.8 0.8 0.8 0.8 0.0 0.0 0.0 0.8 0.8 0.0 0.0
(0.1, 0.1, 1, 0.1, 0.1)  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	(0.1, 0.1, 1, 0.1, 1)  - 0.8 0.8 0.8 0.8 0.0 0.0 0.0 0.0 0.86 - 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 - 1.0 1.0 1.0 0.14 0.81 0.81 0.86 0.14 - 1.0 1.0 1.0 0.13 0.81 0.81 0.87 0.13 - 1.0 1.0 1.0 0.13 0.81 0.81 0.88 0.12 - 1.0 1.0 1.0 0.13 0.82 0.82 0.87 0.13	(0.1, 0.1, 1, 0.1, 10.0)  0.79 0.79 0.79 0.85 0.0 0.0 0.0 0.85  1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0  1.0 1.0 1.1 0.1 0.2 0.82 0.82 0.89 0.11  1.0 1.0 1.0 0.11 0.83 0.83 0.89 0.11  1.0 1.0 1.0 0.13 0.82 0.82 0.87 0.13  1.0 1.0 1.0 0.13 0.82 0.82 0.87 0.13	(0.1, 0.1, 1, 1, 0.1)	(0.1, 0.1, 1, 1, 1)  -0.81 0.81 0.81 0.87 0.0 0.0 0.0 0.87  -1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0  -1.0 1.0 1.0 0.13 0.81 0.87 0.13  -1.0 1.0 1.0 0.13 0.81 0.81 0.87 0.13  -1.0 1.0 1.0 0.13 0.81 0.81 0.87 0.13  -1.0 1.0 1.0 0.12 0.82 0.82 0.88 0.12	(0.1, 0.1, 1, 1, 10.0)  -0.81 0.81 0.81 0.87 0.0 0.0 0.0 0.87 -1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 -1.0 1.0 1.0 0.12 0.82 0.82 0.88 0.12 -1.0 1.0 1.0 0.12 0.82 0.82 0.88 0.12 -1.0 1.0 1.0 0.12 0.82 0.82 0.88 0.12 -1.0 1.0 1.0 0.13 0.81 0.81 0.87 0.13	(0.1, 0.1, 1, 10.0, 0.1)  - 0.82 0.82 0.82 0.88 0.0 0.0 0.0 0.88 - 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 - 1.0 1.0 1.0 0.13 0.81 0.81 0.87 0.13 - 1.0 1.0 1.0 0.12 0.82 0.82 0.88 0.12 - 1.0 1.0 1.0 0.12 0.82 0.82 0.88 0.12	(0.1, 0.1, 1, 10.0, 1)  - 0.8	(0.1, 0.1, 1, 10.0, 10.0)  -0.79 0.79 0.79 0.85 0.0 0.0 0.0 0.85 -1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 1.0 -1.0 1.0 1.0 0.1 0.2 0.8 0.8 0.8 0.12 -1.0 1.0 1.0 0.1 0.1 0.8 0.8 0.8 0.12 -1.0 1.0 1.0 0.1 0.1 0.8 0.8 0.8 0.12 -1.0 1.0 1.0 0.1 0.1 0.8 0.8 0.8 0.12
wt, no DNAdam (0.1, 0.1, 10.0, 0.1, 0.1)  wt, no DNAdam (0.8 0.8 0.8 0.8 0.0 0.0 0.0 0.8 0.8 0.8	(0.1, 0.1, 10.0, 0.1, 1)	(0.1, 0.1, 10.0, 0.1, 10.0)  0.81 0.81 0.81 0.87 0.0 0.0 0.0 0.87  1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0  1.0 1.0 1.0 0.12 0.82 0.82 0.87 0.13  1.0 1.0 1.0 0.13 0.82 0.82 0.87 0.13  1.0 1.0 1.0 0.12 0.82 0.82 0.87 0.13  1.0 1.0 1.0 0.12 0.82 0.82 0.87 0.13  1.0 1.0 1.0 0.13 0.82 0.82 0.87 0.13  1.0 1.0 1.0 0.13 0.82 0.82 0.87 0.13  1.0 1.0 1.0 0.12 0.82 0.82 0.88 0.12	(0.1, 0.1, 10.0, 1, 0.1)	(0.1, 0.1, 10.0, 1, 1)  0.8 0.8 0.8 0.8 0.0 0.0 0.0 0.0 0.8  1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0  1.0 1.0 1.0 0.12 0.81 0.81 0.87 0.13  1.0 1.0 1.0 0.13 0.8 0.8 0.87 0.13  1.0 1.0 1.0 0.11 0.83 0.83 0.89 0.11  1.0 1.0 1.0 0.11 0.83 0.83 0.89 0.11  (0.1, 1, 0.1, 1, 1)	(0.1, 0.1, 10.0, 1, 10.0)	(0.1, 0.1, 10.0, 10.0, 0.1)  -0.78 0.78 0.78 0.85 0.0 0.0 0.0 0.85 -1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 -1.0 1.0 1.0 0.1 0.2 0.82 0.82 0.88 0.12 -1.0 1.0 1.0 0.11 0.82 0.82 0.89 0.11 -1.0 1.0 1.0 0.11 0.83 0.83 0.89 0.11 -1.0 1.0 1.0 0.12 0.83 0.83 0.89 0.12  (0.1, 1, 0.1, 10.0, 0.1)	(0.1, 0.1, 10.0, 10.0, 1)  -0.81 0.81 0.81 0.86 0.0 0.0 0.0 0.86 -1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 -1.0 1.0 1.0 1.3 0.81 0.81 0.87 0.13 -1.0 1.0 1.0 0.12 0.83 0.83 0.88 0.12 -1.0 1.0 1.0 0.12 0.82 0.82 0.88 0.12 (0.1, 1, 0.1, 10.0, 1)	(0.1, 0.1, 10.0, 10.0, 10.0)  -0.82 0.82 0.82 0.88 0.0 0.0 0.0 0.88  -1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0  -1.0 1.0 1.0 0.13 0.82 0.82 0.87 0.13  -1.0 1.0 1.0 0.13 0.82 0.82 0.87 0.13  -1.0 1.0 1.0 0.12 0.81 0.81 0.88 0.12  -1.0 1.0 1.0 0.12 0.84 0.84 0.88 0.12  (0.1, 1, 0.1, 10.0, 10.0)
wt, no DNAdam - 0.81 0.81 0.99 0.0 0.0 0.0 0.99 krasΔ, no DNAdam, 0/0 - 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 krasΔ, DNAdam, 0/0 - 1.0 1.0 1.0 0.1 0.13 0.81 0.81 0.87 0.13 krasΔ, DNAdam, chek1i/0 - 1.0 1.0 1.0 0.12 0.82 0.82 0.83 0.12 krasΔ, DNAdam, 0/mk2i - 1.0 1.0 1.0 0.14 0.81 0.81 0.86 0.14 krasΔ, DNAdam, chek1i/mk2i - 1.0 1.0 0.12 0.82 0.82 0.83 0.12 (0.1, 1, 1, 0.1, 0.1)	- 1.0 1.0 1.0 0.12 0.82 0.82 0.88 0.12 - 1.0 1.0 1.0 0.12 0.81 0.81 0.88 0.12 - 1.0 1.0 1.0 0.12 0.82 0.82 0.88 0.12 - 1.0 1.0 1.0 0.12 0.82 0.82 0.88 0.12 - 1.0 1.0 1.0 0.12 0.81 0.81 0.88 0.12 - 1.0 1.0 1.0 1.0 0.12 0.81 0.81 0.88 0.12 - 1.0 1.0 1.0 1.0 0.12 0.81 0.81 0.88 0.12 - 1.0 1.0 1.0 1.0 0.12 0.81 0.81 0.88 0.12 - 1.0 1.0 1.0 0.12 0.81 0.81 0.88 0.12 - 1.0 1.0 0.12 0.81 0.81 0.88 0.12 - 1.0 1.0 0.12 0.81 0.81 0.88 0.12 - 1.0 0.12 0.81 0.81 0.88 0.12 - 1.0 0.12 0.81 0.81 0.88 0.12 - 1.0 0.12 0.81 0.81 0.88 0.12 - 1.0 0.12 0.81 0.81 0.88 0.12 - 1.0 0.12 0.81 0.81 0.81 0.88 0.12 - 1.0 0.12 0.81 0.81 0.81 0.88 0.12 - 1.0 0.12 0.81 0.81 0.81 0.81 0.81 0.81 0.81 0.81	0.81 0.81 0.81 0.99 0.0 0.0 0.0 0.99  1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0  1.0 1.0 1.0 0.1 0.82 0.82 0.89 0.11  1.0 1.0 1.0 0.12 0.81 0.81 0.88 0.12  1.0 1.0 1.0 0.12 0.82 0.82 0.88 0.12  1.0 1.0 1.0 0.12 0.82 0.82 0.88 0.12  1.0 1.0 1.0 1.0 0.12 0.82 0.82 0.88 0.12  1.0 1.0 1.0 1.0 0.12 0.82 0.82 0.88 0.12	0.81 0.81 0.81 0.98 0.0 0.0 0.0 0.98 1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 1.0 1.0	0.1, 1, 0.1, 1, 1)  -0.81 0.81 0.81 0.99 0.0 0.0 0.0 0.0 0.99  -1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 1.0  -1.0 1.0 1.0 0.12 0.82 0.82 0.88 0.12  -1.0 1.0 1.0 0.13 0.8 0.8 0.87 0.13  -1.0 1.0 1.0 0.13 0.82 0.82 0.87 0.13  (0.1, 1, 1, 1, 1, 1)	0.81 0.81 0.81 0.99 0.0 0.0 0.0 0.99  1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0  1.0 1.0 1.0 0.12 0.82 0.82 0.88 0.12  1.0 1.0 1.0 0.12 0.81 0.81 0.88 0.12  1.0 1.0 1.0 0.11 0.82 0.82 0.89 0.11  1.0 1.0 1.0 0.14 0.81 0.81 0.86 0.14  (0.1, 1, 1, 1, 1, 10.0)	0.8 0.8 0.8 0.9 0.0 0.0 0.0 0.9 1.0 1.0 1.0 1.0 1.0 0.1 0.8 0.8 0.12 1.0 1.0 1.0 0.1 0.8 0.8 0.12 1.0 1.0 1.0 0.1 0.1 0.8 0.12 0.8 0.8 0.8 0.12 1.0 1.0 1.0 0.1 0.1 0.8 0.8 0.12 1.0 1.0 1.0 1.1 0.1 0.1 0.1 0.8 0.1 0.8 0.1 0.8 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.8 0.8 0.8 0.99 0.0 0.0 0.0 0.99 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 0.14 0.81 0.81 0.86 0.14 1.0 1.0 1.0 0.12 0.82 0.82 0.88 0.12 1.0 1.0 1.0 0.11 0.83 0.83 0.89 0.11 1.0 1.0 1.0 0.12 0.81 0.81 0.88 0.12 (0.1, 1, 1, 10.0, 1)	0.78 0.78 0.78 0.98 0.0 0.0 0.0 0.98 1.0 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0
wt, no DNAdam -0.81 0.81 0.81 0.98 0.0 0.0 0.0 0.98 krasΔ, no DNAdam, 0/0 -10 1.0 1.0 0.0 0.0 0.0 0.0 0.0 krasΔ, DNAdam, 0/0 -10 1.0 1.0 0.12 0.82 0.82 0.83 0.12 krasΔ, DNAdam, chek1i/0 -10 1.0 1.0 0.13 0.82 0.82 0.83 0.13 krasΔ, DNAdam, chek1i/mk2i -10 1.0 1.0 0.12 0.82 0.82 0.83 0.12 (0.1, 1, 10.0, 0.1, 0.1)	0.81 0.81 0.81 0.99 0.0 0.0 0.0 0.99 1.0 1.0 1.0 1.0 1.0 0.12 0.83 0.83 0.88 0.12 1.0 1.0 1.0 0.12 0.82 0.82 0.88 0.12 1.0 1.0 1.0 1.0 0.12 0.82 0.82 0.88 0.12 1.0 1.0 1.0 0.12 0.82 0.82 0.88 0.12 1.0 1.0 1.0 1.0 0.12 0.81 0.81 0.88 0.12 1.0 1.0 1.0 1.0 0.12 0.81 0.81 0.81 0.82 0.12 1.0 1.0 1.0 0.12 0.81 0.81 0.81 0.82 0.12 1.0 1.0 1.0 0.12 0.81 0.81 0.81 0.82 0.12 1.0 1.0 1.0 0.12 0.81 0.81 0.81 0.82 0.12 1.0 1.0 1.0 0.12 0.81 0.81 0.81 0.82 0.12 1.0 1.0 1.0 0.12 0.81 0.81 0.81 0.82 0.12 1.0 1.0 1.0 0.12 0.81 0.81 0.81 0.82 0.12 1.0 1.0 1.0 1.0 0.12 0.81 0.81 0.81 0.82 0.12 1.0 1.0 1.0 1.0 0.12 0.81 0.81 0.82 0.12 1.0 1.0 1.0 1.0 0.12 0.81 0.81 0.82 0.12 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.82 0.82 0.82 0.98 0.0 0.0 0.0 0.98 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 0.1 0.81 0.81 0.88 0.12 1.0 1.0 1.0 0.12 0.82 0.82 0.88 0.12 1.0 1.0 1.0 0.13 0.81 0.81 0.87 0.13 (0.1, 1, 10.0, 0.1, 10.0)	0.8 0.8 0.8 0.99 0.0 0.0 0.0 0.99 1.0 1.0 1.0 1.0 0.1 0.00 0.0 0.0 1.0 1.	0.79 0.79 0.79 0.99 0.0 0.0 0.0 0.0 0.99  1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 1.0  1.0 1.0 1.0 0.1 0.84 0.84 0.89 0.11  1.0 1.0 1.0 0.1 0.82 0.82 0.89 0.11  1.0 1.0 1.0 0.1 0.84 0.84 0.89 0.11  (0.1, 1, 10.0, 1, 1)	0.8 0.8 0.8 0.99 0.0 0.0 0.0 0.99  1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0  1.0 1.0 1.0 0.12 0.83 0.83 0.88 0.12  1.0 1.0 1.0 0.11 0.83 0.83 0.89 0.11  1.0 1.0 1.0 0.1 0.84 0.84 0.9 0.1  (0.1, 1, 10.0, 1, 10.0)	- 0.79 0.79 0.79 0.99 0.0 0.0 0.0 0.99 - 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0 1.0	0.8 0.8 0.8 0.9 0.0 0.0 0.0 0.9 1.0 1.0 1.0 1.0 1.0 0.1 0.8 0.8 0.8 0.12 1.0 1.0 1.0 0.1 0.8 0.8 0.12 1.0 1.0 1.0 0.1 0.8 0.8 0.9 0.1 1.0 1.0 1.0 0.1 0.8 0.8 0.9 0.1 1.0 1.0 1.0 1.0 0.1 0.8 0.8 0.8 0.11 (0.1, 1, 10.0, 10.0, 10.0, 1)	0.8 0.8 0.8 0.9 0.0 0.0 0.0 0.9 0.0 0.0 0.0 0.0 0.0
wt, no DNAdam - 0.8 0.8 0.9 0.0 0.0 0.0 0.9 krasΔ, no DNAdam, 0/0 - 10 10 10 10 0.0 0.0 0.0 0.0 1.0 krasΔ, DNAdam, 0/0 - 10 10 10 0.1 0.1 0.2 0.2 0.8 0.1 krasΔ, DNAdam, chek1i/0 - 10 10 10 0.1 0.1 0.2 0.2 0.8 0.1 krasΔ, DNAdam, 0/mk2i - 10 10 10 0.1 0.1 0.2 0.2 0.8 0.1 krasΔ, DNAdam, chek1i/mk2i - 10 10 10 0.1 0.1 0.2 0.2 0.8 0.1 0.1 krasΔ, DNAdam, chek1i/mk2i - 10 10 10 0.1 0.1 0.2 0.1 0.2 0.8 0.8 0.8 0.8 0.8 0.8 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.81 0.81 0.81 0.99 0.0 0.0 0.0 0.0 0.99 1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 0.12 0.82 0.82 0.88 0.12 1.0 1.0 1.0 0.12 0.83 0.83 0.89 0.11 1.0 1.0 1.0 0.12 0.83 0.83 0.86 0.12 1.0 1.0 1.0 0.12 0.82 0.82 0.88 0.12 (0.1, 10.0, 0.1, 0.1, 1) 0.8 0.8 0.8 0.8 1.0 0.0 0.0 0.0 1.0 1.0	0.8 0.8 0.8 0.9 0.0 0.0 0.0 0.9 1.0 1.0 1.0 1.0 1.0 1.0 0.1 0.0 0.0 1.0 1	-0.82 0.82 0.82 0.99 0.0 0.0 0.0 0.99 -1.0 1.0 1.0 1.0 0.1 0.85 0.85 0.9 0.1 -1.0 1.0 1.0 0.1 0.85 0.85 0.9 0.1 -1.0 1.0 1.0 0.1 0.83 0.83 0.89 0.11 -1.0 1.0 1.0 0.1 0.83 0.83 0.89 0.11 -1.0 1.0 1.0 0.1 0.83 0.83 0.9 0.1 (0.1, 10.0, 0.1, 1, 0.1) -1.0 1.0 0.1 0.83 0.83 0.9 0.1 -1.0 0.1 0.83 0.83 0.9 0.1	- 0.81 0.81 0.81 0.98 0.0 0.0 0.0 0.0 0.8 - 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 - 1.0 1.0 1.0 0.1 0.84 0.84 0.89 0.11 - 1.0 1.0 1.0 0.1 0.83 0.83 0.89 0.11 - 1.0 1.0 1.0 0.1 0.84 0.84 0.9 0.1 - 1.0 1.0 1.0 0.1 0.84 0.84 0.9 0.1 - 1.0 1.0 1.0 0.1 0.84 0.84 0.9 0.1	-0.81 0.81 0.81 0.99 0.0 0.0 0.0 0.99 -1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 -1.0 1.0 1.0 0.1 0.82 0.82 0.89 0.11 -1.0 1.0 1.0 0.1 0.85 0.85 0.9 0.1 -1.0 1.0 1.0 0.1 0.85 0.85 0.9 0.1 -1.0 1.0 1.0 0.1 0.85 0.85 0.9 0.1 (0.1, 10.0, 0.1, 1, 10.0)	0.79 0.79 0.79 0.98 0.0 0.0 0.0 0.98 1.0 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0	0.81 0.81 0.81 0.99 0.0 0.0 0.0 0.99 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 0.1 0.83 0.83 0.89 0.11 1.0 1.0 1.0 0.1 0.85 0.85 0.91 0.09 1.0 1.0 1.0 0.1 0.84 0.84 0.9 0.1 (0.1, 10.0, 0.1, 10.0, 1)  - 0.81 0.81 0.81 1.0 0.0 0.0 0.0 1.0 1.0	-0.79 0.79 0.79 0.99 0.0 0.0 0.0 0.99 -1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 1.0 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
krasΔ, no DNAdam, 0/0 - 10 10 10 10 00 00 00 10 krasΔ, DNAdam, 0/0 - 10 10 10 013 081 081 087 013 krasΔ, DNAdam, chek1i/0 - 10 10 10 012 081 081 088 012 krasΔ, DNAdam, 0/mk2i - 10 10 10 014 081 081 086 014 krasΔ, DNAdam, chek1i/mk2i - 10 10 10 013 081 081 087 013 (0.1, 10.0, 1, 0.1, 0.1) wt, no DNAdam - 081 081 081 00 00 00 10	1.0 1.0 1.0 0.12 0.82 0.82 0.88 0.12 - 1.0 1.0 1.0 0.12 0.82 0.82 0.88 0.12 - 1.0 1.0 1.0 0.14 0.81 0.81 0.86 0.14 - 1.0 1.0 1.0 0.13 0.81 0.81 0.87 0.13 -  (0.1, 10.0, 1, 0.1, 1)  0.8 0.8 0.8 0.8 1.0 0.0 0.0 0.0 1.0	1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0 1.0	1.0 1.0 1.0 0.1 0.0 0.0 0.0 1.0 1.0 1.0	1.0 1.0 1.0 0.0 0.0 0.0 0.0 1.0 1.0 1.0	1.0 1.0 1.0 1.0 0.0 0.0 1.0 1.0 1.0 1.0	1.0 1.0 1.0 0.1 0.0 0.0 1.0 1.0 1.0 1.0	1.0 1.0 1.0 0.0 0.0 0.0 0.0 1.0 1.0 1.0	1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0 1.0
krasΔ, no ĎNAdam, 0/0 - 10 10 10 10 00 00 00 10 krasΔ, DNAdam, 0/0 - 10 10 10 012 082 082 088 012 krasΔ, DNAdam, chek1i/0 - 10 10 10 012 082 082 088 012 krasΔ, DNAdam, 0/mk2i - 10 10 10 012 082 082 088 012 krasΔ, DNAdam, chek1i/mk2i - 10 10 10 012 082 082 083 012 krasΔ, DNAdam, chek1i/mk2i - (0.1, 10.0, 10.0, 0.1, 0.1) wt, no DNAdam - 082 082 082 10 00 00 00 10	1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0 1.0	1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0 1.0	1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0 1.0	1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0 1.0	1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0 1.0	1.0 1.0 1.0 1.0 0.1 0.0 0.0 1.0 1.0 1.0	1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0 1.0	1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0 1.0
krasΔ, no DNAdam, 0/0 - 10 10 10 10 00 00 00 10 krasΔ, DNAdam, 0/0 - 10 10 10 01 012 082 088 012 krasΔ, DNAdam, chek1i/0 - 10 10 10 012 082 082 088 012 krasΔ, DNAdam, 0/mk2i - 10 10 10 01 01 01 084 084 089 011 krasΔ, DNAdam, chek1i/mk2i - 10 10 10 01 01 01 083 083 089 011 (1, 0.1, 0.1, 0.1, 0.1)  wt, no DNAdam - 0/0 - 10 10 10 10 01 00 00 00 086 krasΔ, no DNAdam, 0/0 - 10 10 10 10 00 00 00 099	1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0 1.0	1.0 1.0 1.0 1.0 0.0 0.0 1.0 1.0 1.0 1.0	1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0	1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0 1.0	1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0 1.0	1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 1.0 1.0	1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0 1.0	- 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0 1.0
krasΔ, DNAdam, 0/0 - 1.0 1.0 1.0 0.52 0.35 0.35 0.48 0.52 krasΔ, DNAdam, chek1i/0 - 1.0 1.0 1.0 0.52 0.35 0.35 0.48 0.52 krasΔ, DNAdam, 0/mk2i - 1.0 1.0 1.0 0.54 0.36 0.36 0.46 0.53 krasΔ, DNAdam, chek1i/mk2i - 1.0 1.0 1.0 0.52 0.38 0.38 0.48 0.52 (1, 0.1, 1, 0.1, 0.1) wt, no DNAdam - 0.79 0.79 0.79 0.86 0.0 0.0 0.0 0.86 krasΔ, no DNAdam, 0/0 - 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0	1.0 1.0 1.0 0.52 0.36 0.36 0.48 0.52 1.0 1.0 1.0 0.52 0.36 0.36 0.48 0.52 1.0 1.0 1.0 0.53 0.34 0.34 0.47 0.53 1.0 1.0 1.0 0.52 0.34 0.34 0.48 0.52 1.0 1.0 1.0 1.0 0.52 0.34 0.34 0.48 0.52 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 1.0 1.0 0.55 0.33 0.33 0.45 0.54 1.0 1.0 1.0 0.52 0.36 0.36 0.48 0.52 1.0 1.0 1.0 0.53 0.34 0.34 0.47 0.53 1.0 1.0 1.0 0.54 0.34 0.34 0.46 0.53  (1, 0.1, 1, 0.1, 10.0)  0.8 0.8 0.8 0.8 0.0 0.0 0.0 0.86 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0	(1, 0.1, 1, 1, 0.1)	1.0 1.0 1.0 0.53 0.36 0.36 0.47 0.53 1.0 1.0 1.0 0.52 0.36 0.36 0.48 0.52 1.0 1.0 1.0 0.52 0.36 0.36 0.48 0.52 1.0 1.0 1.0 0.52 0.36 0.36 0.48 0.52 1.0 1.0 1.0 0.52 0.36 0.36 0.48 0.52 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 1.0 1.0 0.52 0.36 0.36 0.48 0.52 1.0 1.0 1.0 0.52 0.36 0.36 0.48 0.52 1.0 1.0 1.0 0.51 0.36 0.36 0.49 0.51 1.0 1.0 1.0 0.52 0.35 0.35 0.48 0.52 (1, 0.1, 1, 1, 10.0) 1.0 0.79 0.79 0.79 0.86 0.0 0.0 0.0 0.86 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0	- 1.0 1.0 1.0 0.51 0.37 0.37 0.49 0.51 - 1.0 1.0 1.0 0.53 0.34 0.34 0.47 0.53 - 1.0 1.0 1.0 0.52 0.36 0.36 0.48 0.52 - 1.0 1.0 1.0 0.54 0.33 0.33 0.46 0.54 - (1, 0.1, 1, 10.0, 0.1) - 0.8 0.8 0.8 0.8 0.85 0.0 0.0 0.0 0.85 - 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0	1.0 1.0 1.0 0.52 0.36 0.36 0.48 0.52 1.0 1.0 1.0 0.53 0.35 0.35 0.47 0.53 1.0 1.0 1.0 0.51 0.36 0.36 0.49 0.51 1.0 1.0 1.0 0.53 0.35 0.35 0.47 0.53 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 1.0 1.0 0.54 0.34 0.34 0.46 0.54 1.0 1.0 1.0 0.53 0.35 0.35 0.47 0.53 1.0 1.0 1.0 0.53 0.37 0.37 0.47 0.53 1.0 1.0 1.0 0.51 0.36 0.36 0.49 0.51  (1, 0.1, 1, 10.0, 10.0)  -0.82 0.82 0.82 0.88 0.0 0.0 0.0 0.88 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0
krasΔ, DNAdam, 0/0 - 1.0 1.0 1.0 0.52 0.37 0.37 0.48 0.52 krasΔ, DNAdam, chek1i/0 - 1.0 1.0 1.0 0.53 0.37 0.37 0.47 0.53 krasΔ, DNAdam, 0/mk2i krasΔ, DNAdam, chek1i/mk2i - 1.0 1.0 1.0 0.51 0.36 0.36 0.49 0.51 krasΔ, DNAdam, chek1i/mk2i - 1.0 1.0 1.0 0.53 0.36 0.36 0.47 0.53 (1, 0.1, 10.0, 0.1, 0.1) wt, no DNAdam - 0/0 - 1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 krasΔ, no DNAdam, 0/0 - 1.0 1.0 1.0 0.55 0.34 0.34 0.45 0.55	(1, 0.1, 10.0, 0.1, 1) -0.8 0.8 0.8 0.8 0.8 0.0 0.0 0.0 0.86 -1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0	1.0 1.0 1.0 0.55 0.33 0.33 0.45 0.55 1.0 1.0 1.0 0.53 0.36 0.36 0.47 0.53 1.0 1.0 1.0 0.52 0.35 0.35 0.48 0.52 1.0 1.0 1.0 0.52 0.36 0.36 0.48 0.52 1.0 1.0 1.0 0.52 0.36 0.36 0.48 0.52 1.0 1.0 1.0 0.52 0.36 0.36 0.48 0.52 1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.86 1.0 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0	(1, 0.1, 10.0, 1, 0.1) 	1.0 1.0 1.0 0.53 0.34 0.34 0.47 0.53 1.0 1.0 1.0 0.53 0.35 0.35 0.35 0.47 0.53 1.0 1.0 1.0 0.53 0.35 0.37 0.47 0.53 1.0 1.0 1.0 0.53 0.35 0.35 0.35 0.47 0.53 1.0 1.0 1.0 0.53 0.35 0.35 0.47 0.53 1.0 1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.87 1.0 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0	- 1.0 1.0 1.0 0.52 0.36 0.36 0.48 0.52 - 1.0 1.0 1.0 0.53 0.35 0.35 0.47 0.53 - 1.0 1.0 1.0 0.52 0.36 0.36 0.48 0.52 - 1.0 1.0 1.0 0.53 0.36 0.36 0.47 0.53 (1, 0.1, 10.0, 1, 10.0) - 0.8 0.8 0.8 0.8 0.8 0.0 0.0 0.0 0.87 - 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 - 1.0 1.0 1.0 0.53 0.36 0.36 0.47 0.53	1.0 1.0 1.0 0.52 0.38 0.38 0.48 0.52 1.0 1.0 1.0 0.52 0.36 0.36 0.48 0.52 1.0 1.0 1.0 0.53 0.36 0.36 0.47 0.53 1.0 1.0 1.0 0.52 0.36 0.36 0.48 0.52 1.0 1.0 1.0 0.52 0.36 0.36 0.48 0.52 1.0 1.0 1.0 0.50 0.36 0.36 0.48 0.52 1.0 1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.85 1.0 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0	1.0 1.0 1.0 0.54 0.35 0.35 0.46 0.54 1.0 1.0 1.0 0.55 0.35 0.35 0.45 0.55 1.0 1.0 1.0 0.54 0.35 0.35 0.46 0.54 1.0 1.0 1.0 0.5 0.37 0.37 0.49 0.5  (1, 0.1, 10.0, 10.0, 10.0, 1)  0.79 0.79 0.79 0.85 0.0 0.0 0.0 0.85 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 0.52 0.38 0.38 0.48 0.52	1.0 1.0 1.0 0.51 0.37 0.37 0.49 0.51 1.0 1.0 1.0 0.51 0.36 0.36 0.49 0.51 1.0 1.0 1.0 0.53 0.35 0.35 0.47 0.53 1.0 1.0 1.0 0.54 0.35 0.35 0.46 0.54 (1, 0.1, 10.0, 10.0, 10.0) 0.81 0.81 0.81 0.87 0.0 0.0 0.0 0.87 1.0 1.0 1.0 1.0 0.5 0.36 0.36 0.40 0.51
krasΔ, DNAdam, chek1i/0	1.0 1.0 1.0 0.53 0.36 0.36 0.47 0.53 - 1.0 1.0 1.0 0.5 0.38 0.38 0.5 0.5 - 1.0 1.0 1.0 0.54 0.35 0.35 0.46 0.54 -  (1, 1, 0.1, 0.1, 1)	1.0 1.0 1.0 0.53 0.35 0.35 0.47 0.53 1.0 1.0 1.0 0.49 0.39 0.39 0.51 0.49 1.0 1.0 1.0 0.53 0.34 0.34 0.47 0.53  (1, 1, 0.1, 0.1, 10.0)  0.79 0.79 0.79 0.79 0.98 0.0 0.0 0.0 0.98 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 0.53 0.35 0.35 0.47 0.53	(1, 1, 0.1, 1, 0.1)	1.0 1.0 1.0 0.53 0.36 0.36 0.47 0.53 1.0 1.0 1.0 0.53 0.36 0.36 0.47 0.53 1.0 1.0 1.0 0.53 0.36 0.35 0.48 0.52 1.0 1.0 1.0 0.52 0.35 0.35 0.48 0.52 1.0 1.0 1.0 0.50 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.0 1.0 1.0 0.53 0.35 0.35 0.47 0.53 1.0 1.0 1.0 0.53 0.35 0.37 0.49 0.51 1.0 1.0 1.0 0.53 0.36 0.36 0.47 0.53 (1, 1, 0.1, 1, 10.0) 1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.99 1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.99 1.0 1.0 1.0 0.54 0.35 0.35 0.46 0.54	1.0 1.0 1.0 0.51 0.38 0.38 0.49 0.51 1.0 1.0 1.0 0.51 0.38 0.36 0.46 0.54 1.0 1.0 1.0 0.5 0.37 0.37 0.5 0.5  (1, 1, 0.1, 10.0, 0.1)	1.0 1.0 1.0 0.53 0.37 0.37 0.47 0.53 1.0 1.0 1.0 0.51 0.38 0.38 0.49 0.51 1.0 1.0 1.0 0.53 0.36 0.36 0.47 0.53  (1, 1, 0.1, 10.0, 1)  0.8 0.8 0.8 0.8 0.9 0.0 0.0 0.0 0.9  1.0 1.0 1.0 1.0 0.51 0.38 0.38 0.49 0.51	-1.0 1.0 1.0 1.0 0.51 0.36 0.36 0.49 0.51 -1.0 1.0 1.0 0.53 0.35 0.35 0.47 0.53 -1.0 1.0 1.0 0.51 0.37 0.37 0.49 0.51 -1.0 1.0 1.0 0.52 0.36 0.36 0.48 0.52 (1, 1, 0.1, 10.0, 10.0) -0.81 0.81 0.81 0.99 0.0 0.0 0.0 0.99 -1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 -1.0 1.0 1.0 0.53 0.35 0.35 0.47 0.53
krasΔ, DNAdam, chek1i/0 - 1.0 1.0 1.0 0.54 0.35 0.35 0.46 0.54 krasΔ, DNAdam, 0/mk2i - 1.0 1.0 1.0 0.53 0.36 0.36 0.47 0.53 krasΔ, DNAdam, chek1i/mk2i - 1.0 1.0 1.0 0.54 0.34 0.34 0.34 0.46 0.54 (1, 1, 1, 0.1, 0.1)  wt, no DNAdam - 0.8 0.8 0.8 0.9 0.0 0.0 0.0 0.9 krasΔ, no DNAdam, 0/0 - 1.0 1.0 1.0 1.0 0.54 0.35 0.35 0.46 0.54 krasΔ, DNAdam, 0/0 - 1.0 1.0 0.54 0.35 0.35 0.46 0.54	- 1.0 1.0 1.0 0.54 0.36 0.36 0.46 0.54 - 1.0 1.0 1.0 0.54 0.34 0.34 0.46 0.54 - 1.0 1.0 1.0 0.52 0.34 0.34 0.48 0.52 - 1.0 1.0 1.0 1.0 0.52 0.34 0.34 0.48 0.52 - 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 1.0 1.0 0.54 0.35 0.35 0.46 0.54 1.0 1.0 1.0 0.53 0.35 0.35 0.47 0.53 1.0 1.0 1.0 0.52 0.36 0.36 0.48 0.52  (1, 1, 1, 0.1, 10.0)  0.79 0.79 0.79 0.99 0.0 0.0 0.0 0.99 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 0.51 0.36 0.36 0.49 0.51	(1, 1, 1, 1, 0.1)	(1, 1, 1, 1, 1)	1.0 1.0 1.0 0.54 0.35 0.35 0.46 0.54 1.0 1.0 1.0 0.52 0.36 0.36 0.48 0.52 1.0 1.0 1.0 0.51 0.37 0.37 0.49 0.51 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	- 1.0 1.0 1.0 0.52 0.36 0.36 0.48 0.52 - 1.0 1.0 1.0 0.52 0.36 0.36 0.48 0.52 - 1.0 1.0 1.0 0.52 0.36 0.36 0.48 0.52 - (1, 1, 1, 10.0, 0.1) - 0.8 0.8 0.8 0.9 0.0 0.0 0.0 0.9 - 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 - 1.0 1.0 1.0 0.49 0.39 0.39 0.51 0.49	(1, 1, 1, 10.0, 1.0 	(1, 1, 1, 10.0, 10.0, 10.0, 10.0)  (1, 1, 1, 10.0, 10.
krasΔ, DNAdam, chek1i/0 10 10 1.0 0.53 0.36 0.36 0.47 0.53 krasΔ, DNAdam, 0/mk2i 10 10 1.0 0.53 0.36 0.36 0.47 0.53 krasΔ, DNAdam, chek1i/mk2i 10 1.0 1.0 0.52 0.36 0.36 0.48 0.52 (1, 1, 10.0, 0.1, 0.1)  wt, no DNAdam 0.82 0.82 0.82 0.99 0.0 0.0 0.0 0.55 krasΔ, no DNAdam, 0/0 10 1.0 1.0 1.0 0.55 0.34 0.34 0.45 0.55 krasΔ, DNAdam, 0/0 10 10 10 0.55 0.34 0.34 0.45 0.55 krasΔ, DNAdam, 0/0 10 10 0.55 0.34 0.34 0.45 0.55 krasΔ, DNAdam, 0/0 10 0.55 0.34 0.34 0.34 0.45 0.55 krasΔ, DNAdam, 0/0 10 0.55 0.34 0.34 0.34 0.35 0.55 krasΔ, DNAdam, 0/0 10 0.55 0.34 0.34 0.34 0.35 0.55 krasΔ, DNAdam, 0/0 10 0.55 0.34 0.34 0.35 0.55 krasΔ, DNAdam, 0/0 10 0.55 0.34 0.34 0.34 0.35 0.55 krasΔ, DNAdam, 0/0 10 0.55 0.34 0.34 0.35 0.55 krasΔ, DNAdam, 0/0 10 0.55 0.34 0.34 0.35 0.55 krasΔ, DNAdam, 0/0 10 0.55 0.34 0.34 0.35 0.55 krasΔ, DNAdam, 0/0 0.55 0.34 0.34 0.35 0.55 krasΔ, DNAdam, 0/0 0.55 0.34 0.34 0.34 0.35 0.55 krasΔ, DNAdam, 0/0 0.55 0.34 0.34 0.34 0.35 0.35 krasΔ, DNAdam, 0/0 0.55 0.34 0.34 0.35 0.35 krasΔ, DNAdam, 0/0 0.55 0.34 0.34 0.35 0.35 krasΔ, DNAdam, 0/0 0.55 0.34 0.34 0.35 0.35 krasΔ, DNAdam, 0	(1, 1, 10.0, 0.1, 1)  (1, 1, 10.0, 0.1, 1)  0.81 0.81 0.81 0.99 0.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 1.0 0.52 0.37 0.37 0.48 0.52	1.0 1.0 1.0 0.54 0.35 0.35 0.46 0.54 1.0 1.0 1.0 0.53 0.34 0.34 0.47 0.53 1.0 1.0 1.0 0.55 0.34 0.34 0.45 0.55  (1, 1, 10.0, 0.1, 10.0)  0.82 0.82 0.82 0.99 0.0 0.0 0.0 0.99 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0 1.0 0.53 0.35 0.35 0.35 0.47 0.53	(1, 1, 10.0, 1, 0.1)  (1, 1, 10.0, 1, 0.1)  (1, 1, 10.0, 1, 0.1)  (1, 1, 10.0, 1, 0.1)	(1, 1, 10.0, 1, 1)  1.0 1.0 1.0 0.49 0.38 0.38 0.51 0.49  1.0 1.0 1.0 0.51 0.37 0.37 0.49 0.51  (1, 1, 10.0, 1, 1)  1.0 1.0 1.0 0.79 0.79 0.98 0.0 0.0 0.0 0.98  1.0 1.0 1.0 0.48 0.4 0.4 0.52 0.48	(1, 1, 10.0, 1, 10.0)  0.8 0.8 0.8 0.9 0.0 0.0 0.0 0.9  1.0 1.0 1.0 0.47 0.4 0.4 0.5	1.0 1.0 1.0 0.49 0.39 0.39 0.51 0.49 1.0 1.0 1.0 0.48 0.4 0.4 0.52 0.48 1.0 1.0 1.0 0.48 0.4 0.4 0.52 0.48  (1, 1, 10.0, 10.0, 0.1)  0.81 0.81 0.81 0.99 0.0 0.0 0.0 0.99 1.0 1.0 1.0 0.47 0.42 0.42 0.53 0.47	(1, 1, 10.0,	1.0 1.0 1.0 0.48 0.4 0.4 0.52 0.48 1.0 1.0 1.0 0.47 0.4 0.4 0.53 0.47 1.0 1.0 1.0 0.5 0.37 0.37 0.5 0.5 (1, 1, 10.0, 10.0, 10.0) 0.81 0.81 0.81 0.99 0.0 0.0 0.0 0.99 1.0 1.0 1.0 0.4 0.44 0.44 0.54 0.46
krasΔ, DNAdam, chek1i/0 - 1.0 1.0 1.0 0.52 0.36 0.36 0.48 0.52 krasΔ, DNAdam, 0/mk2i - 1.0 1.0 1.0 0.5 0.36 0.36 0.5 0.5 krasΔ, DNAdam, chek1i/mk2i - 1.0 1.0 1.0 0.52 0.36 0.36 0.48 0.52 (1, 10.0, 0.1, 0.1, 0.1)  wt, no DNAdam - 0.81 0.81 0.81 0.0 0.0 0.0 0.0 0.0 krasΔ, no DNAdam, 0/0 - 1.0 1.0 0.0 0.0 0.0 0.0 krasΔ, DNAdam, 0/0 - 1.0 1.0 0.51 0.36 0.36 0.49 0.51 krasΔ, DNAdam, chek1i/0 - 1.0 0.53 0.34 0.34 0.34 0.47 0.53	(1, 10.0, 0.1, 0.1, 1)	1.0 1.0 1.0 0.53 0.34 0.34 0.47 0.53 1.0 1.0 1.0 0.53 0.35 0.35 0.47 0.53 1.0 1.0 1.0 0.52 0.36 0.36 0.48 0.52 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.	(1, 10.0, 0.1, 1, 0.1)	(1, 10.0, 0.1, 1, 1)	(1, 10.0, 0.1, 1, 10.0)  1.0 1.0 1.0 0.5 0.37 0.37 0.5 0.5  1.0 1.0 1.0 0.49 0.39 0.39 0.51 0.49  1.0 1.0 1.0 0.51 0.39 0.39 0.49 0.51  (1, 10.0, 0.1, 1, 10.0)  1.0 1.0 1.0 0.0 0.0 0.0 1.0  1.0 1.0 1.0 0.52 0.37 0.37 0.48 0.52  1.0 1.0 1.0 0.53 0.36 0.36 0.47 0.53	1.0 1.0 1.0 0.48 0.39 0.39 0.52 0.48 1.0 1.0 1.0 0.46 0.41 0.41 0.54 0.46 1.0 1.0 1.0 0.46 0.43 0.43 0.54 0.46 1.0 1.0 1.0 0.46 0.43 0.43 0.54 0.46 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 1.0 1.0 0.47 0.42 0.42 0.53 0.47 1.0 1.0 1.0 0.47 0.41 0.41 0.53 0.47 1.0 1.0 1.0 0.45 0.43 0.43 0.55 0.45  (1, 10.0, 0.1, 10.0, 1)  - 0.8 0.8 0.8 1.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 0.5 0.38 0.38 0.5 0.5 1.0 1.0 1.0 0.5 0.39 0.39 0.5 0.5	(1, 10.0, 0.1, 10.0, 10.0, 10.0)  -0.8 0.8 0.8 0.8 0.0 0.0 0.0 0.0 0.0 0.0
krasΔ, DNAdam, 0/mk2i	(1, 10.0, 1, 0.1, 1)  (1, 10.0, 1, 0.1, 1)  (1, 10.0, 1, 0.0, 0.0, 0.0, 1.0, 1.0, 1.0	1.0 1.0 0.53 0.35 0.35 0.47 0.53 1.0 1.0 0.52 0.36 0.36 0.48 0.52 (1, 10.0, 1, 0.1, 10.0)	(1, 10.0, 1, 1, 0.1)	(1, 10.0, 1, 1, 1)	1.0 1.0 0.53 0.37 0.37 0.47 0.53 1.0 3.0 1.0 0.54 0.35 0.35 0.46 0.54 (1, 10.0, 1, 1, 10.0)	1.0 1.0 1.0 0.52 0.35 0.35 0.48 0.52 1.0 1.0 1.0 0.51 0.37 0.37 0.49 0.51 (1, 10.0, 1, 10.0, 0.1)	1.0 1.0 1.0 0.51 0.38 0.38 0.49 0.51 1.0 1.0 1.0 0.52 0.36 0.36 0.48 0.52 (1, 10.0, 1, 10.0, 1)	(1, 10.0, 1, 10.0, 10.0) -0.81 0.81 0.81 1.0 0.0 0.0 0.0 1.0 -1.0 1.0 1.0 0.45 0.44 0.44 0.55 0.45 -1.0 1.0 1.0 0.45 0.43 0.43 0.55 0.45
krasΔ, DNAdam, 0/mk2i	(1, 10.0, 10.0, 0.1, 1) (1, 10.0, 10.0, 0.1, 1) 0.8 0.8 0.8 1.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 0.54 0.36 0.36 0.46 0.54 1.0 1.0 1.0 0.5 0.38 0.38 0.5 0.5	1.0 1.0 1.0 0.53 0.35 0.35 0.47 0.53 1.0 1.0 1.0 0.54 0.35 0.35 0.46 0.54 (1, 10.0, 10.0, 0.1, 10.0)  0.81 0.81 0.81 1.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 1.0 1.	(1, 10.0, 10.0, 1, 0.1) (1, 10.0, 10.0, 1, 0.1) 	(1, 10.0, 10.0, 0.5 0.38 0.38 0.5 0.5 0.5 1.0 1.0 1.0 0.48 0.4 0.4 0.52 0.48 0.4 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	(1, 10.0, 10.0, 10.0, 10.0, 10.0)	1.0 1.0 1.0 0.43 0.46 0.46 0.57 0.43 1.0 1.0 1.0 0.44 0.43 0.43 0.56 0.44 (1, 10.0, 10.0, 10.0, 0.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1.0 1.0 1.0 0.45 0.43 0.43 0.55 0.45 1.0 1.0 1.0 0.46 0.42 0.42 0.55 0.46 (1, 10.0, 10.0, 10.0, 10.0, 1)	(1, 10.0, 1.0, 1.0, 0.40 0.42 0.42 0.54 0.46 1.0, 1.0, 1.0, 0.44 0.43 0.43 0.56 0.44 (1, 10.0, 10.0, 10.0, 10.0, 10.0) -0.78 0.78 0.78 0.00 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, 0.43 0.45 0.45 0.57 0.43 -1.0, 1.0, 1.0, 0.41 0.47 0.47 0.59 0.41 -1.0, 1.0, 1.0, 0.41 0.46 0.46 0.59 0.41
krasΔ, DNAdam, chek1i/mk2i - 10 10 10 0.51 0.37 0.37 0.49 0.51 (10.0, 0.1, 0.1, 0.1, 0.1)  wt, no DNAdam - 0.31 0.81 0.81 0.86 0.0 0.0 0.0 0.86 krasΔ, no DNAdam, 0/0 - 10 1.0 1.0 1.0 0.0 0.0 0.0 0.0 krasΔ, DNAdam, 0/0 - 10 1.0 1.0 0.74 0.23 0.25 0.25 0.74 krasΔ, DNAdam, chek1i/0 - 10 1.0 0.72 0.25 0.25 0.28 0.72 krasΔ, DNAdam, 0/mk2i - 10 1.0 0.74 0.24 0.24 0.26 0.73	(10.0, 0.1, 0.1, 0.1, 1)	(10.0, 0.1, 0.1, 0.1, 10.0)  0.81 0.81 0.81 0.87 0.0 0.0 0.0 0.87  1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0  1.0 1.0 1.0 0.72 0.25 0.25 0.28 0.72  1.0 1.0 1.0 0.75 0.22 0.22 0.25 0.75  1.0 1.0 1.0 0.74 0.24 0.24 0.26 0.74	(10.0, 0.1, 0.1, 1, 0.1) (10.0, 0.1, 0.1, 1, 0.1) (10.10 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	(10.0, 0.1, 0.1, 1, 1)	(10.0, 0.1, 0.1, 1, 10.0) -0.82 0.82 0.82 0.87 0.0 0.0 0.0 0.87 -1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 -1.0 1.0 1.0 0.74 0.24 0.24 0.26 0.74 -1.0 1.0 1.0 0.74 0.24 0.24 0.26 0.74 -1.0 1.0 1.0 0.74 0.24 0.24 0.26 0.74	(10.0, 0.1, 0.1, 10.0, 0.1)  - 0.8	(10.0, 0.1, 0.1, 10.0, 1)	(10.0, 0.1, 0.1, 10.0, 10.0)
krasΔ, DNAdam, chek1i/mk2i - 10 10 10 0.74 0.24 0.24 0.24 0.26 0.74 (10.0, 0.1, 1, 0.1, 0.1)  wt, no DNAdam - 0.81 0.81 0.81 0.86 0.0 0.0 0.0 0.86 (10.0, 0.1, 1, 0.1, 0.1)  krasΔ, no DNAdam, 0/0 - 1.0 1.0 1.0 0.74 0.24 0.24 0.26 0.74 (10.0, 0.1, 1) 0.74 0.24 0.26 0.74 (10.0, 0.1, 1) 0.74 0.24 0.26 0.74 (10.0, 0.1, 1) 0.74 0.24 0.26 0.74 (10.0, 0.1, 1) 0.75 0.23 0.25 0.25 0.75 (10.0, 0.1, 1) 0.75 0.23 0.23 0.25 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.7	1.0 1.0 1.0 1.0 0.74 0.24 0.24 0.26 0.74 (10.0, 0.1, 1, 0.1, 1)	1.0   1.0   0.73   0.25   0.25   0.27   0.72	(10.0, 0.1, 1, 1, 0.1)	(10.0, 0.1, 1, 1, 1)  -0.79 0.79 0.79 0.86 0.0 0.0 0.0 0.86 -1.0 1.0 1.0 0.73 0.25 0.25 0.27 0.73 -1.0 1.0 1.0 0.74 0.24 0.24 0.26 0.74 -1.0 1.0 1.0 0.74 0.24 0.24 0.26 0.74 -1.0 1.0 1.0 0.72 0.26 0.26 0.28 0.72 -1.0 1.0 1.0 0.74 0.24 0.24 0.26 0.74	(10.0, 0.1, 1, 1, 10.0)  - 0.8	- 1.0 1.0 1.0 0.74 0.24 0.24 0.26 0.74 (10.0, 0.1, 1, 10.0, 0.1)  - 0.8 0.8 0.8 0.8 0.87 0.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 0.75 0.23 0.23 0.25 0.75 1.0 1.0 1.0 0.75 0.23 0.23 0.25 0.75 1.0 1.0 1.0 0.75 0.23 0.23 0.25 0.75 1.0 1.0 1.0 0.75 0.23 0.23 0.25 0.75 1.0 1.0 1.0 0.75 0.23 0.23 0.25 0.75 1.0 1.0 1.0 0.74 0.23 0.23 0.25 0.74	- 1.0 1.0 1.0 0.73 0.25 0.25 0.27 0.73 (10.0, 0.1, 1, 10.0, 1)  - 0.81 0.81 0.81 0.87 0.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 1.0 0.73 0.25 0.25 0.27 0.73 1.0 1.0 1.0 0.76 0.23 0.23 0.24 0.76 1.0 1.0 1.0 0.73 0.24 0.24 0.77 0.73 1.0 1.0 1.0 0.73 0.24 0.24 0.77 0.73 1.0 1.0 1.0 0.73 0.24 0.24 0.77 0.73	(10.0, 0.1, 1, 10.0, 10.0)  -0.8 0.8 0.8 0.8 0.0 0.0 0.0 0.0 0.87  -1.0 1.0 1.0 0.73 0.25 0.25 0.27 0.73  -1.0 1.0 1.0 0.73 0.25 0.25 0.27 0.73  -1.0 1.0 1.0 0.74 0.25 0.25 0.26 0.74  -1.0 1.0 1.0 0.71 0.26 0.26 0.29 0.71
krasΔ, DNAdam, chek1i/mk2i 10 10 10 0.73 0.25 0.25 0.27 0.73 (10.0, 0.1, 10.0, 0.1, 0.1)  wt, no DNAdam 0.82 0.82 0.82 0.83 0.0 0.0 0.0 0.88 (10.0, 0.1)  krasΔ, no DNAdam, 0/0 10 10 10 10 0.0 0.0 0.0 0.0 0.0 krasΔ, DNAdam, 0/0 10 10 10 0.73 0.24 0.24 0.27 0.73 (10.0, 0.1)  krasΔ, DNAdam, chek1i/0 10 10 0.74 0.24 0.24 0.26 0.74 (10.0, 0.1)  krasΔ, DNAdam, 0/mk2i 10 10 0.76 0.22 0.22 0.24 0.76 (10.0, 0.1)  krasΔ, DNAdam, chek1i/mk2i 10 10 0.74 0.23 0.23 0.26 0.74	(10.0, 0.1, 10.0, 0.1, 1)  -0.81 0.81 0.81 0.86 0.0 0.0 0.0 0.86 -1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 -1.0 1.0 1.0 0.73 0.25 0.25 0.27 0.73 -1.0 1.0 1.0 0.71 0.26 0.26 0.29 0.71	(10.0, 0.1, 10.0, 0.1, 10.0)  0.8 0.8 0.8 0.8 0.0 0.0 0.0 0.0 0.87  1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0  1.0 1.0 1.0 0.73 0.24 0.24 0.27 0.73  1.0 1.0 1.0 0.74 0.24 0.24 0.26 0.74  1.0 1.0 1.0 0.72 0.26 0.26 0.28 0.72  1.0 1.0 1.0 0.74 0.24 0.24 0.26 0.74	(10.0, 0.1, 10.0, 1, 0.1)  -0.81 0.81 0.81 0.87 0.0 0.0 0.0 0.87  -1.0 1.0 1.0 0.0 0.0 0.0 1.0  -1.0 1.0 0.0 0.1 0.26 0.26 0.29 0.71  -1.0 1.0 0.0 0.73 0.25 0.25 0.27 0.73	(10.0, 0.1, 10.0, 1, 1)	(10.0, 0.1, 10.0, 1, 10.0)  -0.8 0.8 0.8 0.8 0.0 0.0 0.0 0.0 0.6 -1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 -1.0 1.0 1.0 0.73 0.24 0.24 0.27 0.73 -1.0 1.0 1.0 0.73 0.24 0.24 0.27 0.73 -1.0 1.0 1.0 0.75 0.23 0.25 0.25 0.75 -1.0 1.0 1.0 0.74 0.23 0.23 0.26 0.74	(10.0, 0.1, 10.0, 10.0, 0.1)  - 0.8	- 1.0 1.0 1.0 0.74 0.23 0.23 0.26 0.74 (10.0, 0.1, 10.0, 10.0, 1)  - 0.79 0.79 0.79 0.86 0.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 1.0 0.73 0.25 0.25 0.27 0.73 1.0 1.0 1.0 0.71 0.27 0.27 0.29 0.71 1.0 1.0 1.0 0.73 0.25 0.25 0.25 0.27 0.73 1.0 1.0 1.0 0.71 0.27 0.27 0.29 0.71 1.0 1.0 1.0 0.73 0.25 0.25 0.25 0.27 0.73	(10.0, 0.1, 10.0, 10.0, 10.0)  -0.82 0.82 0.82 0.88 0.0 0.0 0.0 0.88  -1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0  -1.0 1.0 1.0 0.72 0.25 0.25 0.28 0.72  -1.0 1.0 1.0 0.72 0.25 0.25 0.28 0.72  -1.0 1.0 1.0 0.72 0.25 0.25 0.28 0.72  -1.0 1.0 1.0 0.74 0.23 0.23 0.26 0.74
(10.0, 1, 0.1, 0.1, 0.1)  wt, no DNAdam	(10.0, 1, 0.1, 0.1, 1)  - 0.8 0.8 0.8 0.9 0.0 0.0 0.0 0.9 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 0.74 0.24 0.24 0.26 0.74 1.0 1.0 1.0 0.72 0.25 0.25 0.28 0.72 1.0 1.0 1.0 0.73 0.25 0.25 0.27 0.73 1.0 1.0 1.0 0.73 0.25 0.25 0.27 0.73 -	(10.0, 1, 0.1, 0.1, 10.0)  0.82 0.82 0.82 0.99 0.0 0.0 0.0 0.99  1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0  1.0 1.0 1.0 0.74 0.24 0.24 0.26 0.74  1.0 1.0 1.0 0.75 0.23 0.23 0.25 0.75  1.0 1.0 1.0 0.75 0.23 0.23 0.25 0.75	(10.0, 1, 0.1, 1, 0.1)  -0.81 0.81 0.81 0.99 0.0 0.0 0.0 0.99 -1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 -1.0 1.0 1.0 0.74 0.25 0.25 0.26 0.74 -1.0 1.0 1.0 0.74 0.25 0.25 0.26 0.74 -1.0 1.0 1.0 0.73 0.24 0.24 0.27 0.73 -1.0 1.0 1.0 0.73 0.25 0.25 0.27 0.73	(10.0, 1, 0.1, 1, 1)	(10.0, 1, 0.1, 1, 10.0)  -0.81 0.81 0.81 0.99 0.0 0.0 0.0 0.99 -1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 -1.0 1.0 1.0 0.74 0.24 0.24 0.26 0.74 -1.0 1.0 1.0 0.73 0.25 0.25 0.27 0.73 -1.0 1.0 1.0 0.73 0.25 0.25 0.27 0.73 -1.0 1.0 1.0 0.73 0.25 0.25 0.27 0.73	(10.0, 1, 0.1, 10.0, 0.1)  -0.79 0.79 0.79 0.99 0.0 0.0 0.0 0.99 -1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 -1.0 1.0 1.0 0.72 0.25 0.25 0.28 0.72 -1.0 1.0 1.0 0.73 0.25 0.25 0.27 0.73 -1.0 1.0 1.0 0.73 0.25 0.25 0.27 0.73	(10.0, 1, 0.1, 10.0, 1)  -0.82 0.82 0.82 0.99 0.0 0.0 0.0 0.99 1.0 1.0 1.0 0.72 0.26 0.26 0.28 0.72 1.0 1.0 1.0 0.71 0.26 0.26 0.29 0.71 1.0 1.0 1.0 0.72 0.25 0.25 0.28 0.72 1.0 1.0 0.73 0.73 0.74 0.74 0.77 0.73	(10.0, 1, 0.1, 10.0, 10.0)  -0.8 0.8 0.8 0.9 0.0 0.0 0.0 0.9  -1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0  -1.0 1.0 1.0 0.74 0.24 0.24 0.26 0.74  -1.0 1.0 1.0 0.73 0.24 0.24 0.27 0.73  -1.0 1.0 1.0 0.73 0.24 0.24 0.27 0.73
wt, no DNAdam (10.0, 1, 1, 0.1, 0.1)  wt, no DNAdam (0.8 0.8 0.8 0.9 0.0 0.0 0.0 0.9 0.0 0.0 0.0 0.0 0.0	1.0   1.0   1.0   1.0   0.0   0.0   1.0   1.0   1.0   1.0   1.0   0.7	(10.0, 1, 1, 0.1, 10.0)  0.81 0.81 0.81 0.99 0.0 0.0 0.0 0.99  1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0  1.0 1.0 1.0 0.74 0.24 0.24 0.26 0.74  1.0 1.0 1.0 0.74 0.24 0.24 0.26 0.74  1.0 1.0 1.0 0.74 0.24 0.24 0.26 0.74  1.0 1.0 1.0 0.74 0.24 0.24 0.26 0.74  1.0 1.0 1.0 0.75 0.23 0.23 0.25 0.75	1.0   1.0   1.0   1.0   0.0   0.0   0.0   1.0   1.0   1.0   1.0   0.72   0.26   0.26   0.28   0.72   1.0   1.0   1.0   0.72   0.26   0.26   0.28   0.72   1.0   1.0   1.0   0.72   0.26   0.26   0.28   0.72   1.0   1.0   1.0   0.71   0.27   0.27   0.29   0.71	(10.0, 1, 1, 1, 1)  0.8 0.8 0.8 0.9 0.0 0.0 0.0 0.9  1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0  1.0 1.0 1.0 0.72 0.26 0.26 0.28 0.72  1.0 1.0 1.0 0.72 0.26 0.26 0.28 0.72  1.0 1.0 1.0 0.72 0.26 0.26 0.28 0.72  1.0 1.0 1.0 0.72 0.26 0.26 0.28 0.72  1.0 1.0 1.0 0.7 0.27 0.27 0.3 0.7	(10.0, 1, 1, 1, 10.0)  -0.8 0.8 0.8 0.9 0.0 0.0 0.0 0.99 -1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 -1.0 1.0 1.0 0.72 0.26 0.26 0.28 0.72 -1.0 1.0 1.0 0.71 0.26 0.26 0.29 0.71 -1.0 1.0 1.0 0.71 0.27 0.27 0.29 0.71 -1.0 1.0 1.0 0.73 0.25 0.25 0.27 0.73	(10.0, 1, 1, 10.0, 0.1)  -0.82 0.82 0.82 0.99 0.0 0.0 0.0 0.99 -1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 -1.0 1.0 1.0 0.7 0.28 0.28 0.3 0.7 -1.0 1.0 1.0 0.68 0.29 0.29 0.32 0.68 -1.0 1.0 1.0 0.71 0.26 0.26 0.29 0.71	(10.0, 1, 1, 10.0, 1)  -0.81 0.81 0.81 0.99 0.0 0.0 0.0 0.99 -1.0 1.0 1.0 0.69 0.28 0.28 0.31 0.69 -1.0 1.0 1.0 0.7 0.28 0.28 0.3 0.7 -1.0 1.0 1.0 0.7 0.28 0.28 0.3 0.7 -1.0 1.0 1.0 0.7 0.28 0.28 0.3 0.7	(10.0, 1, 1, 10.0, 10.0)  -0.81 0.81 0.81 0.99 0.0 0.0 0.0 0.99  -1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0  -1.0 1.0 1.0 0.69 0.29 0.29 0.31 0.69  -1.0 1.0 1.0 0.69 0.28 0.28 0.31 0.69  -1.0 1.0 1.0 0.69 0.28 0.28 0.31 0.69  -1.0 1.0 1.0 0.71 0.26 0.26 0.29 0.71
(10.0, 1, 10.0, 0.1, 0.1)  wt, no DNAdam	1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 - 1.0 1.0 0.72 0.25 0.25 0.28 0.72	(10.0, 1, 10.0, 0.1, 10.0)  0.81 0.81 0.81 0.99 0.0 0.0 0.0 0.99  1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0  1.0 1.0 1.0 0.74 0.24 0.24 0.26 0.74  1.0 1.0 1.0 0.74 0.24 0.24 0.26 0.74  1.0 1.0 1.0 0.73 0.25 0.25 0.27 0.73  1.0 1.0 1.0 0.73 0.25 0.25 0.27 0.73		(10.0, 1, 10.0, 1, 1)	(10.0, 1, 10.0, 1, 10.0)  -0.81 0.81 0.81 0.99 0.0 0.0 0.0 0.99 -1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 -1.0 1.0 1.0 0.71 0.26 0.26 0.29 0.71 -1.0 1.0 1.0 0.68 0.29 0.29 0.32 0.68 -1.0 1.0 1.0 0.68 0.29 0.29 0.32 0.68 -1.0 1.0 1.0 0.69 0.28 0.28 0.31 0.69 -1.0 1.0 1.0 0.69 0.28 0.28 0.31 0.69	(10.0, 1, 10.0, 10.0, 0.1)	(10.0, 1, 10.0, 10.0, 1)	(10.0, 1, 10.0, 10.0, 10.0)  0.8 0.8 0.8 0.9 0.0 0.0 0.0 0.9 0.0 0.0 0.0 0.0 0.0
wt, no DNAdam (10.0, 10.0, 0.1, 0.1, 0.1)  wt, no DNAdam (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 1.0 0.0 0.0 0.0 1.0 - 1.0 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 - 1.0 1.0 1.0 1.0 0.74 0.23 0.23 0.26 0.74 - 1.0 1.0 1.0 1.0 0.74 0.23 0.23 0.26 0.74 - 1.0 1.0 1.0 0.74 0.23 0.23 0.26 0.74	(10.0, 10.0, 0.1, 0.1, 10.0)  0.8	- 0.81 0.81 0.81 1.0 0.0 0.0 0.0 1.0 - 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0 1.0	(10.0, 10.0, 0.1, 1, 1)	(10.0, 10.0, 0.1, 1, 10.0)  0.79 0.79 0.79 1.0 0.0 0.0 0.0 1.0  1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0  1.0 1.0 1.0 0.72 0.25 0.25 0.28 0.72  1.0 1.0 1.0 0.74 0.24 0.24 0.26 0.74  1.0 1.0 1.0 0.71 0.26 0.26 0.29 0.71  1.0 1.0 1.0 0.71 0.26 0.26 0.29 0.71  (10.0, 10.0, 1, 1, 10.0)	10.0, 10.0, 0.1, 10.0, 0.1)  1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0  1.0 1.0 1.0 0.73 0.25 0.25 0.27 0.73  1.0 1.0 1.0 0.73 0.25 0.25 0.27 0.73  1.0 1.0 1.0 0.73 0.25 0.25 0.27 0.73  1.0 1.0 1.0 0.74 0.24 0.24 0.26 0.74  (10.0, 10.0, 1, 10.0, 0.1)	(10.0, 10.0, 0.1, 10.0, 1)	10.0, 10.0, 0.1, 10.0, 10.0)  1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0  1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0  1.0 1.0 1.0 1.0 0.74 0.24 0.24 0.26 0.74  1.0 1.0 1.0 1.0 0.71 0.26 0.26 0.29 0.71  1.0 1.0 1.0 1.0 0.74 0.24 0.24 0.26 0.74  1.0 1.0 1.0 1.0 0.71 0.26 0.26 0.29 0.71  1.0 1.0 1.0 1.0 0.74 0.24 0.24 0.26 0.74
wt, no DNAdam - 0.82 0.82 0.82 0.00 0.0 0.0 1.0 krasΔ, no DNAdam, 0/0 - 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 krasΔ, DNAdam, 0/0 - 1.0 1.0 1.0 0.73 0.25 0.25 0.27 0.73 krasΔ, DNAdam, chek1i/0 - 1.0 1.0 1.0 0.73 0.25 0.25 0.27 0.73 krasΔ, DNAdam, 0/mk2i - 1.0 1.0 1.0 0.73 0.25 0.25 0.27 0.73 krasΔ, DNAdam, chek1i/mk2i - 1.0 1.0 0.74 0.25 0.25 0.26 0.74 (10.0, 10.0, 10.0, 0.1, 0.1)	- 0.8 0.8 0.8 1.0 0.0 0.0 0.0 1.0 - 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.8 0.8 0.8 1.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 1.0 1.0	- 0.81 0.81 0.81 1.0 0.0 0.0 0.0 1.0 - 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0 1.0	0.81 0.81 0.81 1.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 1.0 1.	0.81 0.81 0.81 1.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 1.0 1.	0.79 0.79 0.79 1.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 1.0 1.0	0.81 0.81 0.81 1.0 0.0 0.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	0.8 0.8 0.8 1.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 1.0 1.0
wt, no DNAdam - 0.8 0.8 0.8 0.0 0.0 0.0 1.0 krasΔ, no DNAdam, 0/0 - 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 krasΔ, DNAdam, 0/0 - 1.0 1.0 1.0 0.73 0.25 0.25 0.27 0.73 krasΔ, DNAdam, chek1i/0 - 1.0 1.0 1.0 0.71 0.26 0.26 0.29 0.71 krasΔ, DNAdam, 0/mk2i - 1.0 1.0 1.0 0.71 0.27 0.27 0.29 0.71 krasΔ, DNAdam, chek1i/mk2i - 1.0 1.0 1.0 0.74 0.24 0.24 0.26 0.74 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75	1.0 1.0 1.0 0.72 0.25 0.25 0.28 0.72 - 1.0 1.0 1.0 0.71 0.26 0.26 0.29 0.71 - 1.0 1.0 0.71 0.26 0.26 0.26 0.29 0.71	0.81 0.81 0.81 1.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 1.0 1.	- 0.81 0.81 0.81 1.0 00 00 00 10 10 10 10 10 10 10 0.67 0.31 0.31 0.33 0.67 10 10 10 10 0.67 0.31 0.31 0.33 0.67 10 10 10 0.66 0.32 0.32 0.34 0.66 10 10 10 0.66 0.32 0.32 0.34 0.66 10 10 10 0.66 0.32 0.32 0.34 0.66 10 10 10 0.66 0.32 0.32 0.34 0.66 10 10 10 0.66 0.32 0.32 0.34 0.66 10 10 10 0.66 0.32 0.32 0.34 0.66 10 10 0.66 0.32 0.32 0.34 0.66 10 10 0.66 0.32 0.32 0.34 0.66 10 10 0.66 0.32 0.32 0.34 0.66 10 0.66 0.32 0.32 0.32 0.34 0.66 10 0.66 0.32 0.32 0.32 0.34 0.66 10 0.66 0.32 0.32 0.32 0.34 0.66 10 0.66 0.32 0.32 0.32 0.34 0.66 10 0.66 0.32 0.32 0.32 0.34 0.66 10 0.66 0.32 0.32 0.32 0.34 0.66 10 0.66 0.32 0.32 0.34 0.66 10 0.66 0.32 0.32 0.32 0.34 0.66 10 0.66 0.32 0.32 0.32 0.34 0.66 10 0.66 0.32 0.32 0.32 0.34 0.66 10 0.66 0.32 0.32 0.32 0.34 0.66 10 0.66 0.32 0.32 0.32 0.32 0.34 0.66 10 0.66 0.32 0.32 0.32 0.32 0.32 0.32 0.32 0.32	- 0.82 0.82 0.82 1.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 1.0 1.0	WEAT OF THE PROPERTY OF THE PR	-0.8 0.8 0.8 1.0 0.0 0.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	- 0.8 0.8 0.8 1.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 1.0 1.0	0.8 0.8 0.8 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
BRAF MEK p38 CDK1 ATM_ATR DSB_SSB CASP3	BRA ME D3 CDK ATM A1 DSB_SS CASF Proliferation	BRA MEH P38 CDK: ATM ATI DSB_SSE CASP?	BRA ME DS CDK ATM AT DSB_SS CASF Proliferation	BRA ME D3 CDk ATM AT DSB_SS CASF Proliferation	BRA ME p3 CDK ATM A1 DSB_SS CASF Proliferation	BRA MEH D38 CDK: ATM_AT DSB_SSE CASP?	BRA MEI P3 CDK ATM AT DSB_SSI CASP	BR/ ME p3 CDk ATM A1 DSB_SS CASF