(0.1, 0.1, 0.1, 0.1, 0.1)  wt, no DNAdam - 0.78 0.78 0.78 0.85 0.0 0.0 0.0 0.84  krasΔ, no DNAdam, 0/0 - 1.0 1.0 1.0 1.0 0.0 0.0 0.9 0.9 0.0 0.0 0.0 0.9 0.0 0.0	(0.1, 0.1, 0.1, 0.1, 1)  0.8 0.8 0.8 0.8 0.6 0.0 0.0 0.0 0.86  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 0.0 0.0 0.0 0.98  1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.98  1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.98  1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.98	(0.1, 0.1, 0.1, 0.1, 10.0)	(0.1, 0.1, 0.1, 1, 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 0.0 1.0 -1.0 1.0 1.0 0.95 0.0 0.0 0.0 0.95 -1.0 1.0 1.0 0.95 0.0 0.0 0.0 0.95 -1.0 1.0 1.0 0.95 0.0 0.0 0.0 0.95 -1.0 1.0 1.0 0.95 0.0 0.0 0.0 0.95	(0.1, 0.1, 0.1, 1, 1)	(0.1, 0.1, 0.1, 1, 10.0)  -0.8 0.8 0.8 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 0.99 0.0 0.0 0.0 0.99 -1.0 1.0 1.0 0.99 0.0 0.0 0.0 0.99 -1.0 1.0 1.0 0.99 0.0 0.0 0.0 0.99 -1.0 1.0 1.0 0.99 0.0 0.0 0.0 0.99 -1.0 1.0 1.0 0.99 0.0 0.0 0.0 0.99	(0.1, 0.1, 0.1, 10.0, 0.1)  - 0.61 0.61 0.61 0.66 0.0 0.0 0.0 0.86 - 1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 1.0 - 1.0 1.0 1.0 0.99 0.0 0.0 0.0 0.99 - 1.0 1.0 1.0 0.99 0.0 0.0 0.0 0.99 - 1.0 1.0 1.0 0.99 0.0 0.0 0.0 0.99 - 1.0 1.0 1.0 0.99 0.0 0.0 0.0 0.99	(0.1, 0.1, 0.1, 10.0, 1)  0.8 0.8 0.8 0.8 0.6 0.0 0.0 0.0 0.8 6  1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0  1.0 1.0 1.0 0.99 0.0 0.0 0.0 0.99  1.0 1.0 1.0 0.99 0.0 0.0 0.0 0.99  1.0 1.0 1.0 0.99 0.0 0.0 0.0 0.99  1.0 1.0 0.0 0.99 0.0 0.0 0.0 0.99	(0.1, 0.1, 0.1, 10.0, 10.0)  -0.81 0.81 0.81 0.86 0.0 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 0.99 0.0 0.0 0.0 0.99  -1.0 1.0 1.0 0.99 0.0 0.0 0.0 0.99
wt, no DNAdam (0.1, 0.1, 1, 0.1, 0.1)  wt, no DNAdam (0.0, 0.0, 0.0, 0.0, 0.0)  krasΔ, no DNAdam, 0/0 (0.0, 0.0, 0.0, 0.0, 0.0, 0.0)  krasΔ, DNAdam, 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)  -0.78 0.78 0.78 0.86 0.0 0.0 0.0 0.86 -1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 -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 0.99 -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 0.99	(0.1, 0.1, 1, 0.1, 10.0)	(0.1, 0.1, 1, 1, 0.1)  -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 0.9 0.1 0.1 0.0 0.9 -1.0 1.0 1.0 0.9 0.1 0.1 0.0 0.9 -1.0 1.0 1.0 0.9 0.1 0.1 0.1 0.9 -1.0 1.0 1.0 0.9 0.1 0.1 0.1 0.9 -1.0 1.0 1.0 0.9 0.1 0.1 0.1 0.9 -1.0 1.0 1.0 0.9 0.1 0.1 0.1 0.9 -1.0 1.0 1.0 0.9 0.1 0.1 0.1 0.9 -1.0 1.0 1.0 0.9 0.1 0.1 0.1 0.9	(0.1, 0.1, 1, 1, 1)  -0.8 0.8 0.8 0.8 0.0 0.0 0.0 0.0 0.86 -1.0 0.0 1.0 1.0 0.0 0.0 0.0 1.0 -1.0 0.0 1.0 0.98 0.02 0.02 0.02 0.98 -1.0 0.0 1.0 0.99 0.01 0.01 0.01 0.99 -1.0 0.0 1.0 0.99 0.01 0.01 0.01 0.99 -1.0 0.0 1.0 0.99 0.01 0.01 0.01 0.99 -1.0 0.0 1.0 0.99 0.01 0.01 0.01 0.99	(0.1, 0.1, 1, 1, 10.0)	(0.1, 0.1, 1, 10.0, 0.1)	(0.1, 0.1, 1, 10.0, 1)  -0.81 0.81 0.81 0.88 0.0 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 0.98 0.02 0.02 0.02 0.98  -1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98  -1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98  -1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98	(0.1, 0.1, 1, 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 0.0 0.0 0.0 1.0  -1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98  -1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98  -1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98  -1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98
wt, no DNAdam (0.1, 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  krasΔ, no DNAdam, 0/0 (1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	(0.1, 0.1, 10.0, 0.1, 1)  0.8 0.8 0.8 0.6 0.0 0.0 0.0 0.86  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 0.0 0.0 0.0 0.0 0.99  1.0 1.0 1.0 1.0 0.99 0.0 0.0 0.0 0.99  1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.99  (0.1, 1, 0.1, 0.1, 1)	(0.1, 0.1, 10.0, 0.1, 10.0)	(0.1, 0.1, 10.0, 1, 0.1)	(0.1, 0.1, 10.0, 1, 1)	(0.1, 0.1, 10.0, 1, 10.0)  -0.8 0.8 0.8 0.8 0.0 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 0.98 0.02 0.02 0.98 -1.0 1.0 1.0 0.99 0.02 0.02 0.02 0.98 -1.0 1.0 1.0 0.99 0.02 0.02 0.02 0.98 -1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98 -1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98 -1.0 1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98 -1.0 1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98	(0.1, 0.1, 10.0, 10.0, 0.1)  -0.79 0.79 0.79 0.86 0.0 0.0 0.0 0.86 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 1.0 -1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98 -1.0 1.0 1.0 0.96 0.03 0.03 0.03 0.96 -1.0 1.0 1.0 0.97 0.03 0.03 0.03 0.97 -1.0 1.0 1.0 0.96 0.04 0.04 0.96  (0.1, 1, 0.1, 10.0, 0.1)	(0.1, 0.1, 10.0, 10.0, 1)  -0.78 0.78 0.78 0.85 0.0 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 0.96 0.04 0.04 0.04 0.96 -1.0 1.0 1.0 0.96 0.03 0.03 0.04 0.96 -1.0 1.0 1.0 0.96 0.03 0.03 0.04 0.98  (0.1, 1, 0.1, 10.0, 1)	(0.1, 0.1, 10.0, 10.0, 10.0)  -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 0.98 0.02 0.02 0.02 0.98  -1.0 1.0 1.0 0.97 0.03 0.03 0.03 0.97  -1.0 1.0 1.0 0.96 0.04 0.04 0.04 0.96  -1.0 1.0 1.0 0.96 0.04 0.04 0.09 0.98  (0.1, 1, 0.1, 10.0, 10.0)
wt, no DNAdam - 0.79 0.79 0.79 0.99 0.0 0.0 0.99 krasΔ, no DNAdam, 0/0 - 10 10 10 10 0.0 0.0 0.0 0.99 krasΔ, DNAdam, 0/0 - 10 10 10 10 0.0 0.0 0.0 0.99 krasΔ, DNAdam, chek1i/0 - 10 10 10 0.0 0.0 0.0 0.99 krasΔ, DNAdam, 0/mk2i - 10 10 10 10 0.0 0.0 0.0 0.99 krasΔ, DNAdam, chek1i/mk2i - 10 10 10 10 0.0 0.0 0.0 0.99 krasΔ, DNAdam, chek1i/mk2i - 10 10 10 10 0.0 0.0 0.0 0.99 krasΔ, DNAdam, chek1i/mk2i - 10 10 10 10 10 0.0 0.0 0.0 0.99	-0.8 0.8 0.8 0.8 0.0 0.0 0.0 0.98 -1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 -1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.99 -1.0 1.10 1.0 1.0 0.0 0.0 0.0 0.99 -1.0 1.0 1.10 1.0 0.0 0.0 0.0 0.99	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 0.0 0.99 1.0 1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.99 1.0 1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.99 1.0 1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.99 1.0 1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.99 1.0 1.0 1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.99 1.0 1.0 1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.99 1.0 1.0 1.0 1.0 1.0 1.0 1.0 0.0 0.0 0.0	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 0.98 0.01 0.01 0.01 0.98 1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98 1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98 (0.1, 1, 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	0.8 0.8 0.8 0.9 0.0 0.0 0.0 0.9 0.0 1.0 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 0.0 1.0 1	- 0.81 0.81 0.81 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 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 0.0 0.0 0.0 0.0 1.0 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 0.0 1.0 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 1.0 -1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98 -1.0 1.0 1.0 0.97 0.03 0.03 0.03 0.97 -1.0 1.0 1.0 0.97 0.03 0.03 0.03 0.97 -1.0 1.0 1.0 1.0 0.97 0.03 0.03 0.03 0.97 -1.0 1.0 1.0 1.0 0.97 0.03 0.03 0.03 0.97
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 1.0 0.0 0.0 0.0 1.0 krasΔ, DNAdam, 0/0 - 1.0 1.0 1.0 1.0 0.99 0.0 0.01 0.01 0.99 krasΔ, DNAdam, chek1i/0 - 1.0 1.0 1.0 0.99 0.01 0.01 0.01 0.99 krasΔ, DNAdam, 0/mk2i - 1.0 1.0 1.0 0.99 0.01 0.01 0.01 0.99 krasΔ, DNAdam, chek1i/mk2i - 1.0 1.0 1.0 0.99 0.01 0.01 0.01 0.99 krasΔ, DNAdam, chek1i/mk2i - 1.0 1.0 1.0 0.99 0.01 0.01 0.01 0.99 krasΔ, DNAdam, chek1i/mk2i - 1.0 1.0 1.0 0.99 0.01 0.01 0.01 0.99 krasΔ, DNAdam, chek1i/mk2i - 1.0 1.0 1.0 0.99 0.01 0.01 0.01 0.99 krasΔ, DNAdam, chek1i/mk2i - 1.0 1.0 1.0 0.99 0.01 0.01 0.01 0.99 krasΔ, DNAdam, chek1i/mk2i - 1.0 1.0 1.0 0.99 0.01 0.01 0.01 0.99 krasΔ, DNAdam, chek1i/mk2i - 1.0 1.0 1.0 0.99 0.01 0.01 0.01 0.99 krasΔ, DNAdam, chek1i/mk2i - 1.0 1.0 1.0 0.99 0.01 0.01 0.01 0.99 krasΔ, DNAdam, chek1i/mk2i - 1.0 1.0 1.0 0.99 0.01 0.01 0.01 0.99 krasΔ, DNAdam, chek1i/mk2i - 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	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 0.99 0.1 0.01 0.01 0.99 1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98 1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98 1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98 (0.1, 1, 10.0, 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 1.0 0.0 0.0 0.0 0.0 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 0.94 0.06 0.06 0.06 0.94 1.0 1.0 1.0 0.93 0.07 0.07 0.07 0.93 1.0 1.0 1.0 0.91 0.08 0.08 0.09 0.91 1.0 1.0 1.0 0.92 0.08 0.08 0.08 0.92 (0.1, 1, 10.0, 1, 0.1)	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 1.0 1.0 1.0 1.0 0.93 0.06 0.06 0.07 0.93 1.0 1.0 1.0 0.92 0.08 0.08 0.08 0.92 1.0 1.0 1.0 0.93 0.07 0.07 0.07 0.93 1.0 1.0 1.0 0.91 0.09 0.09 0.09 0.91 (0.1, 1, 10.0, 1, 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 0.0 0.0 0.0 1.0 1.0 1.0 1.0 0.93 0.06 0.06 0.07 0.93 1.0 1.0 1.0 0.91 0.09 0.09 0.99 0.91 1.0 1.0 1.0 0.91 0.08 0.08 0.09 0.91 1.0 1.0 1.0 0.91 0.08 0.08 0.09 0.91 (0.1, 1, 10.0, 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 0.0 0.0 0.1 0.1 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 0.0 0.0 0.0 1.0 1.0 1.0 1.0 0.9 0.9 0.09 0.1 0.9 1.0 1.0 1.0 0.89 0.1 0.1 0.11 0.89 1.0 1.0 1.0 0.89 0.1 0.1 0.11 0.189 1.0 1.0 1.0 0.87 0.13 0.13 0.13 0.87 (0.1, 1, 10.0, 10.0, 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
wt, no DNAdam - 0.81 0.81 0.81 0.99 0.0 0.0 0.99 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 1.0 0.0 0.0 0.0 0.5 krasΔ, DNAdam, chek1i/0 - 1.0 1.0 1.0 0.97 0.0 0.0 0.0 0.97 krasΔ, DNAdam, 0/mk2i - 1.0 1.0 1.0 0.97 0.0 0.0 0.0 0.97 krasΔ, DNAdam, chek1i/mk2i - 1.0 1.0 1.0 0.97 0.0 0.0 0.0 0.97 krasΔ, DNAdam, chek1i/mk2i - 1.0 1.0 1.0 0.97 0.0 0.0 0.0 0.97 krasΔ, DNAdam, chek1i/mk2i - 1.0 1.0 1.0 0.97 0.0 0.0 0.0 0.97 krasΔ, DNAdam, chek1i/mk2i - 1.0 1.0 1.0 0.97 0.0 0.0 0.0 0.97 krasΔ, DNAdam, chek1i/mk2i - 1.0 1.0 1.0 0.97 0.0 0.0 0.0 0.9 0.97 krasΔ, DNAdam, chek1i/mk2i - 1.0 1.0 1.0 0.97 0.0 0.0 0.0 0.0 0.9 0.9 0.9 0.9 0.9 0.9	- 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	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	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 0.89 0.11 0.11 0.11 0.89 1.0 1.0 1.0 0.86 0.12 0.12 0.12 0.88 1.0 1.0 1.0 0.86 0.13 0.13 0.14 0.86 1.0 1.0 1.0 0.86 0.13 0.13 0.14 0.86 (0.1, 10.0, 0.1, 1, 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 1.0 0.0 0.0 0.0 1.0 1.0	0.8 0.8 0.8 0.99 0.0 0.0 0.0 0.99  1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0  1.0 1.0 1.0 0.89 0.1 0.1 0.1 0.89  1.0 1.0 1.0 0.86 0.13 0.13 0.13 0.86  1.0 1.0 1.0 0.86 0.14 0.14 0.14 0.86  (0.1, 10.0, 0.1, 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 0.85 0.14 0.14 0.15 0.85 1.0 1.0 1.0 0.82 0.18 0.18 0.18 0.82 1.0 1.0 1.0 0.82 0.18 0.18 0.18 0.82 1.0 1.0 1.0 0.8 0.19 0.19 0.2 0.8 (0.1, 10.0, 0.1, 10.0, 0.1, 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 1.0 0.0 0.1 0.1 0.0 1.0 1	0.79 0.79 0.79 0.99 0.0 0.0 0.0 0.99 0.0 1.0 1.0 1.0 1.0 1.0 0.0 0.0 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	-0.81 0.81 0.81 0.0 0.0 0.0 0.0 0.0 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	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 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	- 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	-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.
wt, no DNAdam -0.81 0.81 0.81 1.0 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 1.0 0.9 0.0 0.0 0.9 krasΔ, DNAdam, chek1i/0 -1.0 1.0 1.0 0.9 0.0 0.0 0.0 0.9 krasΔ, DNAdam, 0/mk2i -1.0 1.0 1.0 0.9 0.0 0.0 0.0 0.9 krasΔ, DNAdam, chek1i/mk2i -1.0 1.0 1.0 0.9 0.0 0.0 0.0 0.9 0.9 krasΔ, DNAdam, chek1i/mk2i -1.0 1.0 1.0 0.9 0.0 0.0 0.0 0.9 0.0 0.0 0.0 0.0 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.	1.0 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 0.0 0.0 0.0 1.0 1.0 1.0 1.0 0.87 0.12 0.12 0.13 0.87 1.0 1.0 1.0 0.86 0.13 0.13 0.14 0.86 1.0 1.0 1.0 0.8 0.13 0.13 0.14 0.86 1.0 1.0 1.0 0.8 0.15 0.15 0.15 0.85 (0.1, 10.0, 10.0, 1, 0.1)	- 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	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 0.87 0.12 0.12 0.13 0.87 1.0 1.0 1.0 0.85 0.14 0.14 0.15 0.85 1.0 1.0 1.0 0.86 0.14 0.14 0.14 0.86 1.0 1.0 1.0 0.84 0.15 0.15 0.16 0.84 (0.1, 10.0, 10.0, 1, 10.0)	- 0.81 0.81 0.81 1.0 0.0 0.0 0.0 0.0 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.	0.81 0.81 0.81 1.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 1.0 1.
krasΔ, no DNAdam, 0/0 - 10 10 10 10 00 00 10 krasΔ, DNAdam, 0/0 - 10 10 10 10 00 00 00 10 krasΔ, DNAdam, chek1i/0 - 10 10 10 0.5 0.6 0.6 0.5 krasΔ, DNAdam, 0/mk2i - 10 10 10 0.5 0.5 0.6 0.5 krasΔ, DNAdam, chek1i/mk2i - 10 10 10 0.5 0.5 0.6 0.5 0.6 0.5 krasΔ, DNAdam, chek1i/mk2i - 10 10 10 0.5 0.5 0.6 0.5 0.6 0.5 krasΔ, DNAdam, chek1i/mk2i - 10 10 10 0.5 0.5 0.6 0.5 0.5 0.6 0.5 0.6 0.5 0.6 0.5 0.6 0.5 0.5 0.6 0.5 0.5 0.6 0.5 0.5 0.6 0.5 0.5 0.6 0.5 0.5 0.5 0.6 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	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 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 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 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, no DNAdam, 0/0 - 10 10 10 10 00 00 00 10 krasΔ, DNAdam, 0/0 - 10 10 10 10 00 00 00 10 krasΔ, DNAdam, chek1i/0 - 10 10 10 10 10 00 00 00 10 krasΔ, DNAdam, 0/mk2i - 10 10 10 10 10 00 00 00 10 krasΔ, DNAdam, chek1i/mk2i - 10 10 10 10 00 00 00 09 09 00 00 00 00 00 00 00 00	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 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 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
krasΔ, no ĎNAdam, 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 1.0 0.0 0.0 0.0 1.0 krasΔ, DNAdam, chek1i/0 - 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 krasΔ, DNAdam, 0/mk2i - 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 krasΔ, DNAdam, chek1i/mk2i - 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 krasΔ, DNAdam, chek1i/mk2i - 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 0.0 0.0	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 0.0 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, no DNAdam, 0/0 - 10 10 10 10 00 00 00 10 krasΔ, DNAdam, 0/0 - 10 10 10 10 00 00 00 10 krasΔ, DNAdam, chek1i/0 - 10 10 10 10 00 00 00 10 krasΔ, DNAdam, 0/mk2i - 10 10 10 10 00 00 00 10 krasΔ, DNAdam, chek1i/mk2i - 10 10 10 10 00 00 00 10 (1, 1, 0.1, 0.1, 0.1)  wt, no DNAdam - 0/0 - 10 10 10 10 00 00 00 00 10 krasΔ, no DNAdam, 0/0 - 10 10 10 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 1.0 0.0 0.0 0.0 1.0 1.0	(1, 1, 0.1, 1, 0.1)	1.0 1.0 1.0 0.99 0.01 0.01 0.01 0.99 1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98 1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98 1.0 1.0 1.0 0.98 0.0 0.0 0.0 0.0 0.99 (1, 1, 0.1, 1, 1)	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, 1, 0.1, 10.0, 1)	1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0
krasΔ, DNAdam, 0/0 - 10 10 10 10 00 00 10 krasΔ, DNAdam, chek1i/0 - 10 10 10 10 00 00 00 10 krasΔ, DNAdam, 0/mk2i - 10 10 10 10 00 00 00 10 krasΔ, DNAdam, chek1i/mk2i - 10 10 10 10 00 00 00 10 (1, 1, 1, 0.1, 0.1)  wt, no DNAdam - 0.8 0.8 0.8 0.9 0.0 0.0 0.9 krasΔ, no DNAdam, 0/0 - 10 10 10 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 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 0.0 0.0 0.0 1.0 (1, 1, 1, 0.1, 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, 1, 1, 0.1, 10.0)  -0.79 0.79 0.79 0.99 0.0 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  -1.0 1.0 1.0 1.0 0.0 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	-1.0 1.0 1.0 1.99 0.0 0.0 0.0 1.99 -1.0 1.0 1.0 0.99 0.01 0.01 0.01 0.99 -1.0 1.0 1.0 0.99 0.01 0.01 0.01 0.99 -1.0 1.0 1.0 0.99 0.01 0.01 0.01 0.99 -1.0 1.0 1.0 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 0.99 0.01 0.01 0.01 0.99 - 1.0 1.0 1.0 0.99 0.0 0.0 0.01 0.99 - 1.0 1.0 1.0 0.99 0.01 0.01 0.01 0.99 - 1.0 1.0 1.0 0.99 0.01 0.01 0.01 0.99 - (1, 1, 1, 1, 1) - 0.81 0.81 0.81 0.98 0.0 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 0.99 0.01 0.01 0.01 0.99 -1.0 1.0 1.0 0.99 0.01 0.01 0.01 0.99 -1.0 1.0 1.0 0.98 0.01 0.01 0.02 0.98 -1.0 1.0 1.0 0.99 0.01 0.01 0.01 0.99 -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 1.0	- 1.0 1.0 1.0 1.98 0.01 0.01 0.02 0.98 - 1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98 - 1.0 1.0 1.0 0.98 0.01 0.01 0.02 0.98 - 1.0 1.0 1.0 0.98 0.01 0.01 0.02 0.98 - 1.0 1.0 1.0 0.98 0.01 0.01 0.02 0.98 - (1, 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 0.0	1.0 1.0 1.0 1.98 0.01 0.01 0.02 0.98 1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98 1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98 1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98 (1, 1, 1, 1, 10.0, 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 1.99 0.01 0.01 0.01 0.99 -1.0 1.0 1.0 0.99 0.01 0.01 0.01 0.99 -1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98 -1.0 1.0 1.0 0.98 0.01 0.01 0.02 0.98 -1.0 1.0 1.0 0.98 0.01 0.01 0.02 0.98 -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
krasΔ, DNAdam, 0/0 - 1.0 1.0 1.0 1.9 0.0 0.0 1.0 1.9 krasΔ, DNAdam, chek1i/0 - 1.0 1.0 1.0 1.9 0.0 0.0 0.0 0.0 0.9 krasΔ, DNAdam, 0/mk2i - 1.0 1.0 1.0 0.9 0.0 0.0 0.0 0.9 krasΔ, DNAdam, chek1i/mk2i - 1.0 1.0 1.0 0.9 0.0 0.0 0.0 0.9 krasΔ, DNAdam, chek1i/mk2i - 1.0 1.0 1.0 0.9 0.0 0.0 0.0 0.9 krasΔ, no DNAdam - 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 0.99 0.01 0.01 0.01 0.99 1.0 1.0 1.0 0.99 0.01 0.01 0.01 0.99 1.0 1.0 1.0 0.99 0.01 0.01 0.01 0.99 1.0 1.0 1.0 0.99 0.01 0.01 0.01 0.99 (1, 1, 10.0, 0.1, 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 0.99 0.01 0.01 0.01 0.99 1.0 1.0 1.0 0.99 0.01 0.01 0.01 0.99 1.0 1.0 1.0 0.99 0.01 0.01 0.01 0.99 1.0 1.0 1.0 0.99 0.01 0.01 0.01 0.99 (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 1.0 0.0 0.0 0.0 1.0	1.0 1.0 1.0 0.95 0.04 0.04 0.05 0.95 1.0 1.0 1.0 0.94 0.05 0.05 0.06 0.94 1.0 1.0 1.0 0.94 0.05 0.05 0.06 0.94 1.0 1.0 1.0 0.95 0.04 0.04 0.05 0.95 0.06 0.94 1.0 1.0 1.0 0.95 0.04 0.04 0.05 0.95 0.06 0.94 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.95 1.0 1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0	1.0 1.0 1.0 0.95 0.04 0.04 0.05 0.95 1.0 1.0 1.0 0.95 0.04 0.04 0.05 0.95 1.0 1.0 1.0 0.95 0.04 0.04 0.05 0.95 1.0 1.0 1.0 0.94 0.05 0.05 0.06 0.94 1.0 1.0 1.0 0.94 0.05 0.05 0.06 0.94 1.0 1.0 1.0 0.94 0.05 0.05 0.06 0.94 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.99 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 0.95 0.04 0.04 0.05 0.95 1.0 1.0 1.0 0.95 0.04 0.04 0.05 0.95 1.0 1.0 1.0 0.95 0.04 0.04 0.05 0.95 1.0 1.0 1.0 0.94 0.05 0.05 0.06 0.94 (1, 1, 10.0, 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 0.0 0.0 0.0 1.0	1.0 1.0 1.0 0.92 0.07 0.07 0.08 0.92 1.0 1.0 1.0 0.91 0.08 0.08 0.0 0.91 1.0 1.0 1.0 0.9 0.08 0.08 0.1 0.9 1.0 1.0 1.0 0.91 0.08 0.08 0.0 0.91 (1, 1, 10.0, 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 0.92 0.07 0.07 0.08 0.92 1.0 1.0 1.0 0.91 0.08 0.08 0.09 0.91 1.0 1.0 0.92 0.07 0.07 0.08 0.92 1.0 1.0 1.0 0.91 0.08 0.08 0.09 0.91 1.0 1.0 0.91 0.08 0.08 0.09 0.91 1.0 1.0 1.0 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 0.92 0.07 0.07 0.08 0.92 1.0 1.0 1.0 0.92 0.07 0.07 0.08 0.92 1.0 1.0 1.0 0.92 0.06 0.06 0.08 0.92 1.0 1.0 1.0 0.91 0.07 0.07 0.09 0.91 (1, 1, 10.0, 10.0, 10.0, 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
krasΔ, DNAdam, 0/0 - 10 10 10 10 10 10 10 10 10 10 10 10 10	1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98 1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98 1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98 1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98 1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98 1.0 1.0 1.0 0.0 0.1 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 1.0	1.0 1.0 1.0 0.93 0.06 0.06 0.07 0.93 1.0 1.0 1.0 0.91 0.07 0.07 0.09 0.91 1.0 1.0 1.0 0.9 0.08 0.08 0.1 0.9 1.0 1.0 1.0 0.91 0.08 0.08 0.09 0.91 (1, 10.0, 0.1, 1, 0.1) 	1.0 1.0 1.0 0.92 0.07 0.07 0.08 0.92 1.0 1.0 1.0 0.91 0.07 0.07 0.09 0.91 1.0 1.0 1.0 0.91 0.08 0.08 0.09 0.91 1.0 1.0 1.0 0.91 0.08 0.08 0.09 0.91 (1, 10.0, 0.1, 1, 1) - 0.82 0.82 0.82 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 0.91 0.08 0.08 0.09 0.91 1.0 1.0 1.0 0.92 0.07 0.07 0.08 0.92 1.0 1.0 1.0 0.91 0.08 0.08 0.09 0.91 1.0 1.0 1.0 0.92 0.06 0.06 0.08 0.92 (1, 10.0, 0.1, 1, 10.0) 	1.0 1.0 1.0 0.87 0.12 0.12 0.13 0.87 1.0 1.0 1.0 1.0 0.87 0.12 0.12 0.13 0.87 1.0 1.0 1.0 1.0 0.87 0.11 0.11 0.13 0.87 1.0 1.0 1.0 1.0 0.84 0.14 0.14 0.16 0.84 (1, 10.0, 0.1, 10.0, 0.1) 0.10 0.10 0.0 0.0 0.0 0.0 0.0 1.0 1.0 1	1.0 1.0 1.0 0.87 0.11 0.11 0.13 0.87 1.0 1.0 1.0 0.87 0.11 0.13 0.87 1.0 1.0 1.0 0.85 0.13 0.13 0.15 0.85 1.0 1.0 1.0 0.86 0.11 0.11 0.14 0.86 (1, 10.0, 0.1, 10.0, 1) 	1.0 1.0 1.0 0.87 0.12 0.12 0.13 0.87 1.0 1.0 1.0 0.86 0.12 0.12 0.14 0.86 1.0 1.0 1.0 0.87 0.12 0.12 0.13 0.87 1.0 1.0 1.0 0.85 0.12 0.12 0.15 0.85 (1, 10.0, 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 1.0 0.0 0.0 0.0 1.0
krasΔ, DNAdam, 0/0 - 10 10 10 10 00 00 00 10 krasΔ, DNAdam, chek1i/0 - 10 10 10 10 00 00 00 10 krasΔ, DNAdam, 0/mk2i - 10 10 10 10 00 00 00 00 10 krasΔ, DNAdam, chek1i/mk2i - 10 10 10 10 10 00 00 00 00 00 00 00 00	(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, 0.1, 0.0, 0.0, 0.0, 1.0) (1, 10.0, 1, 0.1, 0.1, 10.0) (1, 10.0, 1, 0.1, 10.0) (1, 10.0, 1, 0.1, 10.0)	(1, 10.0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,	1.0 1.0 1.0 0.99 0.01 0.01 0.02 0.99 1.0 1.0 1.0 0.98 0.01 0.01 0.02 0.98 1.0 1.0 1.0 0.98 0.01 0.01 0.02 0.98 1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98 (1, 10.0, 1, 1, 1)  -0.81 0.81 0.81 1.0 0.0 0.0 0.0 0.0 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 0.98 0.01 0.01 0.02 0.98 1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98 1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98 1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0	(1, 10.0, 1, 10.0, 0.97 0.02 0.03 0.97 1.0 1.0 1.0 0.97 0.02 0.02 0.03 0.97 1.0 1.0 1.0 0.97 0.02 0.02 0.03 0.97 1.0 1.0 1.0 0.97 0.02 0.02 0.03 0.97 1.0 1.0 1.0 1.0 0.97 0.02 0.02 0.03 0.97 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 1.0	_ 1.0 1.0 1.0 1.0 <mark>0.0 0.0 0.0 1.0</mark>
krasΔ, DNAdam, 0/0 - 10 10 10 10 10 10 00 00 00 00 00 00 krasΔ, DNAdam, chek1i/0 - 10 10 10 10 00 00 00 00 00 00 00 00 00	(1, 10.0, 10.0, 10.0, 0.1, 1)  (1, 10.0, 10.0, 0.0, 0.1, 1)  (1, 10.0, 10.0, 0.0, 0.1, 1)  (1, 10.0, 10.0, 0.0, 0.0, 0.0, 0.0, 1.0, 1	(1, 10.0, 10.0, 0.0, 0.0, 0.0, 0.0, 1.0, 1	1.0 1.0 1.0 0.9 0.09 0.0 0.1 0.9 1.0 1.0 1.0 0.9 0.9 0.09 0.1 0.9 1.0 1.0 1.0 0.9 0.9 0.09 0.1 0.9 1.0 1.0 1.0 0.9 0.9 0.09 0.1 0.9 1.0 1.0 1.0 0.9 0.0 0.0 0.1 0.9 1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 0.85 0.13 0.13 0.15 0.85	1.0 1.0 1.0 0.9 0.08 0.08 0.1 0.9 1.0 1.0 1.0 0.9 0.08 0.08 0.1 0.9 1.0 1.0 1.0 0.89 0.1 0.1 0.11 0.89 (1, 10.0, 10.0, 1, 1)  - 0.82 0.82 0.82 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 0.85 0.13 0.15 0.85	1.0 1.0 1.0 0.9 0.08 0.08 0.1 0.9 1.0 1.0 1.0 0.9 0.08 0.08 0.1 0.9 1.0 1.0 1.0 0.9 0.08 0.08 0.1 0.9 (1, 10.0, 10.0, 1, 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 0.85 0.13 0.13 0.15 0.85	1.0 1.0 1.0 0.86 0.12 0.12 0.14 0.86 1.0 1.0 1.0 0.85 0.13 0.13 0.15 0.85 1.0 1.0 1.0 1.0 0.86 0.13 0.13 0.14 0.86 1.0 1.0 1.0 1.0 0.85 0.13 0.13 0.15 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 1.0 0.85 0.12 0.12 0.15 0.85 1.0 1.0 1.0 0.85 0.13 0.13 0.15 0.85 1.0 1.0 1.0 0.85 0.13 0.13 0.15 0.85 1.0 1.0 1.0 0.84 0.14 0.14 0.16 0.84 1.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	-1.0 1.0 1.0 0.87 0.11 0.11 0.13 0.87 -1.0 1.0 1.0 1.0 0.84 0.13 0.13 0.16 0.84 -1.0 1.0 1.0 1.0 0.83 0.15 0.15 0.17 0.83 -1.0 1.0 1.0 0.84 0.13 0.13 0.16 0.84 (1, 10.0, 10.0, 10.0, 10.0, 10.0) -0.79 0.79 0.79 0.79 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 0.0 1.0 -1.0 1.0 1.0 1.0 0.77 0.21 0.21 0.23 0.77
krasΔ, DNAdam, chek1i/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 1.0 1.96 0.03 0.03 0.04 0.96 1.0 1.0 1.0 0.96 0.03 0.03 0.04 0.96 1.0 1.0 1.0 0.96 0.03 0.03 0.04 0.96 (10.0, 0.1, 0.1, 0.1, 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 0.99 -1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.99	1.0 1.0 1.0 0.97 0.02 0.02 0.03 0.97 1.0 1.0 1.0 0.97 0.02 0.03 0.03 0.97 1.0 1.0 1.0 0.97 0.03 0.03 0.03 0.97 1.0 1.0 1.0 0.97 0.03 0.03 0.03 0.97 1.0 1.0 1.0 1.0 1.0 1.0 1.0 0.0 0.0 0.0	(10.0, 0.1, 0.1, 1, 0.1)	1.0 1.0 1.0 0.85 0.13 0.13 0.15 0.85 1.0 1.0 1.0 0.85 0.13 0.15 0.85 1.0 1.0 1.0 0.85 0.13 0.15 0.85 1.0 1.0 1.0 0.84 0.13 0.13 0.16 0.84 1.0 1.0 1.0 0.1, 0.1, 1, 1)  0.8 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 1.0 1.0 0.84 0.14 0.16 0.84 1.0 1.0 1.0 1.0 0.84 0.13 0.13 0.16 0.84 1.0 1.0 1.0 0.84 0.14 0.14 0.16 0.84 1.0 1.0 1.0 0.84 0.14 0.14 0.16 0.84 1.0 1.0 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	1.0 1.0 1.0 0.75 0.22 0.22 0.25 0.75 1.0 1.0 1.0 0.76 0.22 0.22 0.24 0.76 1.0 1.0 1.0 0.76 0.21 0.21 0.24 0.76 (10.0, 0.1, 0.1, 10.0, 0.1) - 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 1.0 0.0 0.0 0.0 1.0	1.0 1.0 1.0 0.75 0.22 0.22 0.25 0.75 1.0 1.0 1.0 0.76 0.21 0.21 0.24 0.76 1.0 1.0 1.0 0.74 0.22 0.22 0.26 0.74  (10.0, 0.1, 0.1, 10.0, 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 1.0 0.0 0.0 0.0 1.0	1.0 1.0 1.0 1.0 0.76 0.2 0.2 0.24 0.76 1.0 1.0 1.0 0.74 0.23 0.23 0.26 0.74 1.0 1.0 1.0 0.73 0.22 0.22 0.27 0.73 1.0 1.0 1.0 0.73 0.22 0.22 0.27 0.73 1.0 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
krasΔ, DNAdam, chek1i/0 - 10 10 10 10 00 00 00 10 krasΔ, DNAdam, 0/mk2i - 10 10 10 10 00 00 00 10 krasΔ, DNAdam, chek1i/mk2i - 10 10 10 10 10 00 00 00 00 00 00 00 00	(10.0, 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 0.86 -1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0	(10.0, 0.1, 1, 0.1, 10.0) -10.10.10.10.10.10.10.10.10.10.10.10.10.1	(10.0, 0.1, 1, 1, 0.1) 	1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 1.0 1.0	(10.0, 0.1, 1, 1, 10.0)	(10.0, 0.1, 1, 10.0, 0.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 1.0 1.0	(10.0, 0.1, 1, 10.0, 1)  (10.0, 0.1, 1, 10.0, 1)  (10.0, 0.1, 1, 10.0, 1)	(10.0, 0.1, 1, 10.0, 10.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 1.0 1.
krasΔ, DNAdam, chek1i/0 - 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 krasΔ, DNAdam, O/mk2i - 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 krasΔ, DNAdam, chek1i/mk2i - 1.0 1.0 1.0 1.0 1.0 0.0 0.0 0.0 1.0 (10.0, 0.1, 10.0, 0.1, 0.1)  wt, no DNAdam - 0.79 0.79 0.79 0.86 0.0 0.0 0.0 0.0 0.0 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 1.0 0.0 0.0 0.0 1.0 krasΔ, DNAdam, 0/0 - 1.0 1.0 1.0 0.0 0.0 0.0 1.0 krasΔ, DNAdam, 0/0 - 1.0 1.0 1.0 0.0 0.0 0.0 1.0 krasΔ, DNAdam, 0/0 - 1.0 1.0 1.0 0.0 0.0 0.0 1.0 krasΔ, DNAdam, 0/0 - 1.0 1.0 1.0 0.0 0.0 0.0 1.0 krasΔ, DNAdam, 0/0 - 1.0 1.0 1.0 0.0 0.0 0.0 1.0 krasΔ, DNAdam, 0/0 - 1.0 1.0 1.0 0.0 0.0 0.0 1.0 krasΔ, DNAdam, 0/0 - 1.0 1.0 1.0 0.0 0.0 0.0 1.0 krasΔ, DNAdam, 0/0 - 1.0 1.0 1.0 0.0 0.0 0.0 1.0 krasΔ, DNAdam, 0/0 - 1.0 1.0 1.0 0.0 0.0 0.0 1.0 krasΔ, DNAdam, 0/0 - 1.0 1.0 1.0 0.0 0.0 0.0 1.0 krasΔ, DNAdam, 0/0 - 1.0 1.0 0.0 0.0 0.0 0.0 1.0 krasΔ, DNAdam, 0/0 - 1.0 0.0 0.0 0.0 0.0 0.0 1.0 krasΔ, DNAdam, 0/0 - 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	(10.0, 0.1, 10.0, 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, 0.0, 0.0, 0.0, 1.0 (10.0, 0.1, 10.0, 0.1, 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, 1.0, 0.0, 0.0, 0.0, 1.0	(10.0, 0.1, 10.0, 0.0 0.0 0.0 1.0 1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 1.0 (10.0, 0.1, 10.0, 0.1, 10.0) (10.0, 0.1, 10.0, 0.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0	1.0 1.0 1.0 1.0 1.99 0.01 0.01 0.01 0.99 1.0 1.0 1.0 1.0 1.99 0.01 0.01 0.01 0.99 1.0 1.0 1.0 1.0 1.99 0.0 0.0 0.0 1.99 (10.0, 0.1, 10.0, 1, 0.1) 	1.0 1.0 1.0 1.0 0.99 0.0 0.0 0.0 0.99 1.0 1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 1.0 1	(10.0, 0.1, 10.0, 1, 10.0) -1.0 1.0 1.0 0.99 0.0 0.0 0.0 0.0 0.99 -1.0 1.0 1.0 0.99 0.0 0.0 0.0 0.0 0.99 (10.0, 0.1, 10.0, 1, 10.0) -0.83 0.83 0.83 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 0.99 0.0 0.0 0.0 0.99	- 1.0 1.0 1.0 1.9 0.9 0.1 0.1 0.1 0.9 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 1.0 0.98 0.01 0.01 0.01 0.98 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	(10.0, 0.1, 10.0, 99 0.01 0.01 0.01 0.99 1.0 1.0 1.0 0.99 0.01 0.01 0.01 0.99 1.0 1.0 1.0 0.98 0.01 0.01 0.02 0.98 (10.0, 0.1, 10.0, 10.0, 10.0) -0.8 0.8 0.8 0.8 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 0.98 0.02 0.02 0.02 0.98
krasΔ, DNAdam, chek1i/0 - 10 10 10 10 00 00 00 10 krasΔ, DNAdam, 0/mk2i - 10 10 10 10 00 00 00 10 krasΔ, DNAdam, chek1i/mk2i - 10 10 10 10 00 00 00 10 (10.0, 1, 0.1, 0.1, 0.1)  wt, no DNAdam - 0.8 0.8 0.8 0.9 0.0 0.0 00 10 krasΔ, no DNAdam, 0/0 - 10 10 10 10 00 00 00 10 krasΔ, DNAdam, 0/0 - 10 10 10 10 00 00 00 10 krasΔ, DNAdam, chek1i/0 - 10 10 10 10 00 00 00 10	(10.0, 1, 0.1, 0.1, 0.1, 0.1, 0.1, 0.1, 0	(10.0, 1, 0.1, 0.1, 10.0) (10.0, 1, 0.1, 0.1, 10.0) (10.1, 10.1, 0.1, 0.1, 10.0) (10.0, 1, 0.1, 0.1, 0.0, 0.0, 0.0, 0.0, 0	(10.0, 1, 0.1, 1, 0.1)	(10.0, 1, 0.1, 1, 1)  -0.82 0.82 0.82 0.95 0.0 0.0 0.0 0.0 0.95 -1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0	(10.0, 1, 0.1, 1, 10.0) (10.0, 1, 0.1, 1, 10.0) (10.1, 10.0, 10.	(10.0, 1, 0.1, 10.0, 0.1)	(10.0, 1, 0.1, 10.0, 1) -0.81 0.81 0.81 0.95 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 0.98 0.02 0.02 0.02 0.98 -1.0 1.0 1.0 0.99 0.01 0.01 0.01 0.99 -1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98 (10.0, 1, 0.1, 10.0, 10.0) -0.8 0.8 0.8 0.8 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 1.0 1.0 0.99 0.01 0.01 0.01 0.99 -1.0 1.0 1.0 0.99 0.01 0.01 0.01 0.99
krasΔ, DNAdam, 0/mk2i - 10 10 10 10 00 00 10 krasΔ, DNAdam, chek1i/mk2i - 10 10 10 10 00 00 10 (10.0, 1, 1, 0.1, 0.1)  wt, no DNAdam - 0.81 0.81 0.81 0.99 0.0 00 0.99 krasΔ, no DNAdam, 0/0 - 10 10 10 10 00 00 00 10 krasΔ, DNAdam, 0/0 - 10 10 10 0.99 00 001 0.99 krasΔ, DNAdam, chek1i/0 - 10 10 10 0.99 00 001 0.99 00 001 0.99 001 0.01 0.	(10.0, 1, 1, 0.1, 1)  (10.0, 1, 1, 0.1, 1)  (10.10, 1.0, 1.0, 0.0, 0.0, 0.0, 1.0, 1.0	(10.0, 1, 1, 0.1, 10.0) 	- 1.0 1.0 1.0 0.99 0.01 0.01 0.01 0.99 1.0 1.0 1.0 0.99 0.01 0.01	- 1.0 1.0 1.0 0.99 0.01 0.01 0.01 0.99 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	(10.0, 1, 1, 1, 10.0) -0.81 0.81 0.81 0.98 0.0 0.0 0.0 0.0 0.98 -1.0 1.0 1.0 0.97 0.03 0.03 0.03 0.97 -1.0 1.0 1.0 0.97 0.03 0.03 0.03 0.97	- 1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98 1.0 1.0 1.0 0.99 0.01 0.01 0.01 0.99 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 0.99 0.01 0.01 0.01 0.99 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	(10.0, 1, 1, 10.0, 10.0 0.0 0.0 0.9) (10.0, 1, 1, 10.0, 10.0 0.0 0.9)
krasΔ, DNAdam, 0/mk2i - 10 10 10 10 10 10 10 10 10 10 10 10 10	(10.0, 1, 10.0, 0.1, 0.1, 0.1, 0.9) (10.0, 1, 10.0, 0.1, 1) (10.1, 10.1, 10.0, 0.1, 1) (10.1, 10.1, 10.0, 0.1, 1) (10.1, 10.1, 10.0, 0.0, 0.0, 0.0, 10.1	(10.0, 1, 10.0, 0.1, 10.0) (10.0, 1, 10.0, 0.1, 10.0) (10.10, 10.0, 0.1, 10.0) (10.0, 1, 10.0, 0.1, 10.0) (10.0, 1, 10.0, 0.1, 10.0) (10.0, 1, 10.0, 0.0, 0.0, 0.0, 0.0, 0.0,	(10.0, 1, 10.0, 1, 0.1)	1.0 1.0 1.0 0.97 0.03 0.03 0.97 1.0 1.0 1.0 0.96 0.04 0.04 0.04 0.96 (10.0, 1, 10.0, 1, 1)  -0.81 0.81 0.81 0.99 0.0 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	(10.0, 1, 10.0, 1, 10.0) -0.0 1.0 1.0 0.96 0.04 0.04 0.04 0.96 (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 0.94 0.05 0.05 0.06 0.94 -1.0 1.0 1.0 0.94 0.06 0.06 0.06 0.94	1.0 1.0 1.0 0.93 0.06 0.06 0.07 0.93 1.0 1.0 1.0 0.94 0.06 0.06 0.06 0.94 (10.0, 1, 10.0, 10.0, 10.0, 0.1)	(10.0, 1, 10.0, 10.0, 10.0, 0.0) (10.0, 1, 10.0,	(10.0, 1, 10.0, 10.0, 10.0, 10.0) (10.0, 1, 10.0, 10.0, 10.0, 10.0) (10.10, 10.0, 10.0, 10.0, 10.0) (10.0, 1, 10.0, 10.0, 10.0, 10.0) (10.0, 1, 10.0, 10
krasΔ, DNAdam, 0/mk2i - 10 10 10 09 00 00 00 09 09 krasΔ, DNAdam, chek1i/mk2i - 10 10 10 09 00 00 00 00 09 00 00 00 00 00 00 00	(10.0, 10.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0		1.0 1.0 1.0 0.94 0.06 0.06 0.06 0.94 1.0 1.0 1.0 0.93 0.07 0.07 0.93 (10.0, 10.0, 0.1, 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 0.99 0.0 0.0 1.0 0.99 - 1.0 1.0 1.0 0.99 0.0 0.0 0.0 0.99 - 1.0 1.0 1.0 0.99 0.0 0.0 0.0 0.99	- 1.0 1.0 1.0 0.93 0.06 0.06 0.07 0.93 - 1.0 1.0 1.0 0.93 0.07 0.07 0.07 0.93	(10.0, 10.0, 0.1, 1, 10.0)	- 1.0 1.0 1.0 0.9 0.1 0.1 0.1 0.9 - 1.0 1.0 1.0 0.8 0.1 0.1 0.1 0.1 0.9 0.1 0.1 0.1 0.9 0.1 0.1 0.1 0.9 0.1 0.1 0.1 0.9 0.1 0.1 0.1 0.9 0.1 0.1 0.1 0.9 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	(10.0, 10.0, 0.88 0.12 0.12 0.12 0.88 1.0 1.0 1.0 1.1 0.89 0.1 0.1 0.11 0.89 (10.0, 10.0, 10.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.	- 1.0 1.0 1.0 0.88 0.11 0.11 0.12 0.88 - 1.0 1.0 1.0 0.89 0.1 0.1 0.11 0.89 (10.0, 10.0, 0.1, 10.0, 10.0) - 0.8 0.8 0.8 0.8 0.8 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 0.0 0.0 0.0 0.0 1.0 - 1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98 - 1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98 - 1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98
KrasΔ, DNAdam, 0/mk2i - 10 10 10 10 00 00 00 10 krasΔ, DNAdam, chek1i/mk2i - 10 10 10 10 00 00 00 10 (10.0, 10.0, 1, 0.1, 0.1)  wt, no DNAdam - 081 081 081 10 00 00 00 10 krasΔ, no DNAdam, 0/0 - 10 10 10 10 00 00 00 10 krasΔ, DNAdam, 0/0 - 10 10 10 09 00 00 00 00 00 krasΔ, DNAdam, chek1i/0 - 10 10 10 09 00 00 00 00 00 krasΔ, DNAdam, 0/mk2i - 10 10 10 09 00 00 00 00 00 00 00 00 00 00 00 00	(10.0, 10.0, 1, 0.0, 0.0, 0.0, 1.0) (10.0, 10.0, 1, 0.1, 1) (10.1, 10.0, 10.0, 1, 0.1, 1) 	(10.0, 10.0, 1, 0.1, 10.0, 0.0, 0.0, 0.0,	(10.0, 10.0, 1, 1, 0.1)  (10.0, 10.0, 1, 1, 0.1)  (10.1, 0.1, 0.1, 0.1, 0.1, 0.1, 0.1, 0.1,	(10.0, 10.0, 1, 1, 1)  (10.0, 10.0, 1, 1, 1)  (10.0, 10.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0	1.0 1.0 1.0 0.99 0.01 0.01 0.99 1.0 1.0 1.0 1.0 0.99 1.0 1.0 1.0 1.0 0.98 0.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0	(10.0, 10.0, 1, 10.0, 0.0, 0.0, 0.0, 0.0)  (10.0, 10.0, 1, 10.0, 0.1)	(10.0, 10.0, 1, 10.0, 1)  (10.0, 10.0, 1, 10.0, 1)  (10.10, 10.0, 1, 10.0, 1)  (10.10, 10.	(10.0, 10.0, 1, 10.0, 10.0, 10.0) (10.0, 10.0, 1, 10.0, 10.0) (10.0, 10.0, 1, 10.0, 10.0) (10.0, 10.0, 10.0, 1, 10.0, 10.0) (10.0, 10.
krasΔ, DNAdam, chek1i/mk2i - 10 10 10 10 10 10 10 10 10 10 10 10 10	(10.0, 10.0, 10.0, 0.0, 0.0, 0.0, 0.99 (10.0, 10.0, 10.0, 0.1, 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 0.0 0.0 0.0 1.0 -1.0 1.0 1.0 0.98 0.02 0.02 0.98 -1.0 1.0 1.0 0.98 0.02 0.02 0.98 -1.0 1.0 1.0 0.97 0.03 0.03 0.03 0.97	(10.0, 10.0, 10.0, 0.1, 10.0)	- 1.0 1.0 1.0 0.93 0.07 0.07 0.07 0.93 (10.0, 10.0, 10.0, 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 0.89 0.1 0.1 0.11 0.89 - 1.0 1.0 1.0 0.88 0.12 0.12 0.12 0.88 - 1.0 1.0 1.0 0.88 0.12 0.12 0.12 0.88	- 1.0 1.0 1.0 0.92 0.08 0.08 0.08 0.92 (10.0, 10.0, 10.0, 1, 1) - 0.81 0.81 0.81 1.0 0.0 0.0 0.0 1.0 - 1.0 1.0 1.0 0.89 0.1 0.1 0.11 0.89 - 1.0 1.0 1.0 0.87 0.12 0.12 0.13 0.87 - 1.0 1.0 1.0 0.88 0.11 0.11 0.12 0.88	(10.0, 10.0, 10.0, 1, 10.0)  -0.8 0.8 0.8 1.0 0.0 0.0 0.0 1.0 -1.0 1.0 1.0 0.9 0.1 0.1 0.1 0.9 -1.0 1.0 1.0 0.8 0.12 0.12 0.12 0.88 -1.0 1.0 1.0 0.89 0.11 0.11 0.11 0.89	(10.0, 10.0, 10.0, 10.0, 10.0, 0.1)	(10.0, 10.0, 10.0, 10.0, 10.0, 1) 	(10.0, 10.0, 10.0, 10.0, 10.0, 10.0)  - 0.8
RRAF ATR ATR CASP3 CASP	BRAF IN MEK IN M	BRAF BRAF BRAF BRAF BRAF BRAF BRAF BRAF	BRAF BRAF BRAF BRAF BRAF BRAF BRAF BRAF	BRAF MEK	BRAF BRAF BRAF BRAF BRAF BRAF BRAF BRAF	BRAF - BR	BRAF DSB	BRAF - III