| (0.1, 0.1, 0.1, 0.1, 0.1) wt, no DNAdam | (0.1, 0.1, 0.1, 0.1, 1) - 0.8 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 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 0.99 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 - 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) - 0.8 | (0.1, 0.1, 0.1, 1, 0.1) | (0.1, 0.1, 0.1, 1, 1) -0.79 0.79 0.79 0.05 0.0 0.0 0.0 0.0 0.03 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 -1.0 1.0 1.0 0.99 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, 1, 10.0) - 0.8 0.8 0.8 0.5 0.0 0.0 0.0 0.0 0.06 - 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 0.0 0.0 0.0 - 1.0 1.0 1.0 0.9 0.0 0.0 0.0 0.9 - 1.0 1.0 1.0 0.9 0.0 0.0 0.0 0.9 - 1.0 1.0 1.0 0.9 0.0 0.0 0.0 0.9 - 1.0 1.0 1.0 0.9 0.0 0.0 0.0 0.9 | (0.1, 0.1, 0.1, 10.0, 0.1) - 0.8 0.8 0.8 0.3 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 0.0 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 0.0 0.99 | (0.1, 0.1, 0.1, 10.0, 1) - 0.8 0.8 0.8 0.05 0.0 0.0 0.0 0.06 - 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 0.0 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 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 0.04 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 0.9 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 0.0 0.99 |
|--|--|--|--|--|--|--|--|--|
| (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 | (0.1, 0.1, 1, 0.1, 1) - 0.82 0.82 0.82 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 0.0 - 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 0.9 - 1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.9 - 1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.9 - 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.9 | (0.1, 0.1, 1, 0.1, 10.0) -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 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 0.0 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 | (0.1, 0.1, 1, 1, 0.1) | (0.1, 0.1, 1, 1, 1) 0.8 0.8 0.8 0.04 0.0 0.0 0.0 0.0 0.09 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 0.98 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 0.02 0.02 0.02 0.98 | (0.1, 0.1, 1, 1, 10.0) | (0.1, 0.1, 1, 10.0, 0.1) -0.81 0.81 0.81 0.03 0.0 0.0 0.0 0.1 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.2 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 -1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98 -1.0 1.0 1.0 0.98 0.02 0.02 0.09 0.98 -1.0 1.0 1.0 0.98 0.02 0.02 0.09 0.98 | (0.1, 0.1, 1, 10.0, 1) -0.81 0.81 0.81 0.04 0.0 0.0 0.0 0.1 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.1 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.1 1.0 1.0 1.0 0.97 0.02 0.02 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 0.98 0.02 0.02 0.02 0.98 | (0.1, 0.1, 1, 10.0, 10.0) 0.8 0.8 0.8 0.04 0.0 0.0 0.0 0.1 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.1 1.0 1.0 1.0 0.0 0.0 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 0.98 0.02 0.02 0.02 0.98 1.0 1.0 1.0 0.97 0.02 0.02 0.02 0.97 |
| wt, no DNAdam (0.1, 0.1, 10.0, 0.1, 0.1) wt, no DNAdam (0.81 0.81 0.81 0.04 0.0 0.0 0.06 0.06 0.0 0.05 0.0 0.06 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 0.4 0.0 0.0 0.0 0.0 0.06 - 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 - 1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 - 1.0 1.0 1.0 0.0 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 1.0 0.99 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 0.99 0.0 0.0 0.0 0.01 | (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) -0.79 0.79 0.79 0.04 0.0 0.0 0.0 0.11 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.1 -1.0 1.0 1.0 0.0 0.1 0.1 0.2 0.0 -1.0 1.0 1.0 0.97 0.2 0.2 0.2 0.97 -1.0 1.0 1.0 0.97 0.2 0.2 0.3 0.97 -1.0 1.0 1.0 0.97 0.2 0.2 0.3 0.97 -1.0 1.0 1.0 0.97 0.2 0.2 0.3 0.97 -1.0 1.0 1.0 1.0 0.97 0.2 0.2 0.3 0.97 -1.0 1.0 1.0 0.97 0.2 0.2 0.3 0.97 | (0.1, 0.1, 10.0, 10.0, 0.1) | (0.1, 0.1, 10.0, 10.0, 1) - 0.8 | (0.1, 0.1, 10.0, 10.0, 10.0) -0.79 0.79 0.79 0.04 0.0 0.0 0.0 0.13 -0.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.13 -0.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.13 -0.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.13 -0.0 1.0 1.0 0.97 0.03 0.03 0.03 0.97 -0.0 1.0 1.0 0.96 0.03 0.03 0.04 0.96 -0.0 1.0 1.0 0.97 0.03 0.03 0.03 0.97 (0.1, 1, 0.1, 10.0, 10.0) |
| wt, no DNAdam - 0.81 0.81 0.14 0.0 0.0 0.0 0.16 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 0.0 0.0 0.0 0.0 0.0 krasΔ, DNAdam, chek1i/0 - 1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 krasΔ, DNAdam, 0/mk2i - 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 krasΔ, DNAdam, chek1i/mk2i - 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | - 0.81 0.81 0.12 0.0 0.0 0.0 0.14 - 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.05 - 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 0.99 - 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 1.0 0.0 0.0 0.0 0.99 | -0.81 0.81 0.81 0.13 0.0 0.0 0.0 0.15 -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 0.0 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 0.99 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 | -0.81 0.81 0.81 0.13 0.0 0.0 0.0 0.2 -1.0 1.0 1.0 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 0.01 0.01 | 0.1, 1, 0.1, 1, 1) -0.8 0.8 0.8 0.13 0.0 0.0 0.0 0.2 -1.0 1.0 1.0 0.0 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 0.98 0.02 0.02 0.02 0.98 -1.0 1.0 1.0 0.99 0.0 0.01 0.01 0.99 -1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.97 | 0.8 0.8 0.8 0.14 0.0 0.0 0.0 0.2 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.14 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.1 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, 1, 1, 1, 10.0) | -0.82 0.82 0.82 0.13 0.0 0.0 0.0 0.2 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.14 -1.0 1.0 1.0 0.0 0.0 0.02 0.02 0.02 -1.0 1.0 1.0 0.97 0.02 0.02 0.02 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 0.97 0.03 0.03 0.03 0.97 | -0.81 0.81 0.81 0.13 0.0 0.0 0.0 0.0 0.2 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.14 -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 0.97 -1.0 1.0 1.10 0.97 0.03 0.03 0.97 | 0.8 0.8 0.8 0.14 0.0 0.0 0.0 0.21 1.0 1.0 1.0 0.0 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 0.0 1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98 1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98 1.0 1.0 1.0 0.97 0.02 0.02 0.03 0.97 (0.1, 1, 1, 10.0, 10.0) |
| wt, no DNAdam - 0.81 0.81 0.81 0.13 0.0 0.0 0.2 0.2 krasΔ, no DNAdam, 0/0 - 1.0 1.0 1.0 0.0 0.0 0.0 0.1 0.1 krasΔ, DNAdam, 0/0 - 1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.1 0.1 krasΔ, DNAdam, chek1i/0 - 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 0.13 0.0 0.0 0.0 0.2 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.15 -1.0 1.0 1.0 0.9 0.0 0.0 0.0 0.0 0.0 -1.0 1.0 1.0 0.96 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 0.99 0.01 0.01 0.01 0.99 -1.0 1.0 1.0 0.99 0.01 0.01 0.01 0.99 | -0.79 0.79 0.79 0.15 0.00 0.00 0.00 0.22 -1.01 1.0 1.0 0.00 0.00 0.00 0.14 -1.01 1.0 1.0 0.00 0.01 0.01 0.01 0.01 -1.01 1.0 1.0 0.98 0.02 0.02 0.02 0.98 -1.01 1.01 0.00 0.98 0.02 0.02 0.02 0.98 | - 0.8 0.8 0.8 0.14 0.0 0.0 0.0 0.4 - 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.4 - 1.0 1.0 1.0 0.0 0.4 0.04 0.04 0.02 - 1.0 1.0 1.0 0.93 0.07 0.07 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 0.91 0.09 0.05 0.05 0.91 (0.1, 1, 10.0, 1, 0.1) | 0.81 0.81 0.83 0.13 0.0 0.0 0.0 0.38 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.38 1.0 1.0 1.0 0.0 0.05 0.05 0.05 0.02 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 (0.1, 1, 10.0, 1, 1) | 0.81 0.81 0.81 0.14 0.0 0.0 0.0 0.4 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.41 1.0 1.0 1.0 0.0 0.0 0.6 0.6 0.06 1.0 1.0 1.0 0.9 0.9 0.9 0.9 0.91 1.0 1.0 1.0 0.92 0.07 0.07 0.08 0.92 1.0 1.0 1.0 0.92 0.08 0.08 0.08 0.92 (0.1, 1, 10.0, 1, 10.0) | -0.81 0.81 0.13 0.0 0.0 0.0 0.41 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.43 -1.0 1.0 1.0 0.0 0.8 0.8 0.8 0.2 -1.0 1.0 1.0 0.9 0.1 0.1 0.1 0.1 0.9 -1.0 1.0 1.0 0.8 0.1 0.1 0.1 0.89 -1.0 1.0 1.0 0.87 0.13 0.13 0.13 0.87 | 0.8 0.8 0.8 0.14 0.0 0.0 0.0 0.42 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.43 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.02 1.0 1.0 1.0 0.87 0.13 0.13 0.13 0.87 1.0 1.0 1.0 0.87 0.13 0.13 0.13 0.87 1.0 1.0 1.0 0.88 0.11 0.11 0.12 0.88 (0.1, 1, 10.0, 10.0, 1) | -0.81 0.81 0.81 0.14 0.0 0.0 0.0 0.43 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.41 1.0 1.0 1.0 0.0 0.07 0.07 0.07 0.02 1.0 1.0 1.0 0.88 0.11 0.11 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 0.87 0.13 0.13 0.13 0.87 (0.1, 1, 10.0, 10.0, 10.0) |
| wt, no DNAdam - 0.8 0.8 0.3 0.0 0.0 0.0 0.24 krasΔ, no DNAdam, 0/0 - 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.18 krasΔ, DNAdam, 0/0 - 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.1 0.1 | 0.81 0.81 0.81 0.14 0.0 0.0 0.0 0.24 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.2 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.2 1.0 1.0 1.0 0.97 0.03 0.03 0.97 1.0 1.0 1.0 0.97 0.03 0.03 0.03 0.96 1.0 1.0 1.0 0.97 0.03 0.03 0.03 0.97 (0.1, 10.0, 0.1, 0.1, 1) | -0.81 0.81 0.81 0.13 0.0 0.0 0.0 0.24 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.19 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.01 -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 0.98 (0.1, 10.0, 0.1, 0.1, 10.0) | 0.8 0.8 0.8 0.14 0.0 0.0 0.0 0.46 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.48 1.0 1.0 1.0 0.0 0.08 0.08 0.09 0.01 1.0 1.0 1.0 0.89 0.11 0.11 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 (0.1, 10.0, 0.1, 1, 0.1) | 0.8 0.8 0.8 0.14 0.0 0.0 0.0 0.46 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.46 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.8 0.08 1.0 1.0 1.0 0.88 0.12 0.12 0.12 0.88 1.0 1.0 1.0 0.88 0.11 0.11 0.12 0.88 1.0 1.0 1.0 0.87 0.12 0.12 0.13 0.87 (0.1, 10.0, 0.1, 1, 1) | 0.82 0.82 0.82 0.13 0.0 0.0 0.0 0.46 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.5 1.0 1.0 1.0 0.0 0.0 0.8 0.8 0.02 1.0 1.0 1.0 0.87 0.13 0.13 0.13 0.87 1.0 1.0 1.0 0.87 0.12 0.12 0.13 0.87 1.0 1.0 1.0 0.87 0.12 0.12 0.13 0.87 (0.1, 10.0, 0.1, 1, 10.0) | 0.81 0.81 0.81 0.14 0.0 0.0 0.0 0.5 1.0 1.0 1.0 0.0 0.1 0.1 0.1 0.1 0.2 1.0 1.0 1.0 0.82 0.17 0.17 0.18 0.82 1.0 1.0 1.0 0.82 0.17 0.17 0.18 0.82 1.0 1.0 1.0 0.8 0.19 0.19 0.2 0.8 (0.1, 10.0, 10.0, 10 | 0.84 0.84 0.84 0.12 0.0 0.0 0.0 0.49 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.53 1.0 1.0 1.0 0.82 0.17 0.17 0.18 0.82 1.0 1.0 1.0 0.82 0.17 0.17 0.18 0.82 1.0 1.0 1.0 0.81 0.19 0.19 0.19 0.81 (0.1, 10.0, 0.1, 10.0, 1) | 0.8 0.8 0.8 0.14 0.0 0.0 0.0 0.51 1.0 1.0 1.0 0.0 0.12 0.12 0.13 0.02 1.0 1.0 1.0 0.82 0.18 0.18 0.18 0.82 1.0 1.0 1.0 0.84 0.16 0.16 0.16 0.84 1.0 1.0 1.0 0.81 0.18 0.18 0.19 0.81 (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 0.19 krasΔ, no DNAdam, 0/0 - 10 10 10 0.0 0.0 0.0 0.0 0.0 krasΔ, DNAdam, 0/0 - 10 10 10 0.0 0.0 0.0 0.0 0.0 krasΔ, DNAdam, chek1i/0 - 10 10 10 10 0.0 0.0 0.0 0.0 0.9 krasΔ, DNAdam, 0/mk2i - 10 10 10 10 0.0 0.0 0.0 0.9 krasΔ, DNAdam, chek1i/mk2i - 10 10 10 0.0 0.0 0.0 0.9 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 0.19 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 0.0 0.0 0.0 1.0 1.0 1.0 0.9 0.1 0.1 0.1 0.99 1.0 1.0 1.0 0.9 0.1 0.1 0.1 0.99 1.0 1.0 1.0 0.9 0.1 0.1 0.1 0.99 (0.1, 10.0, 1, 0.1, 1) | 0.81 0.81 0.81 0.00 0.0 0.0 0.0 0.8 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 0.0 0.0 0.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.9 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, 10.0, 1, 0.1, 10.0) | 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 0.17 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 0.0 0.0 0.0 1.0 1.0 1.0 0.96 0.04 0.04 0.04 0.96 1.0 1.0 1.0 0.97 0.02 0.02 0.02 0.97 1.0 1.0 1.0 0.98 0.02 0.02 0.02 0.98 (0.1, 10.0, 1, 1, 0.1) | -0.81 0.81 0.81 0.16 0.0 0.0 0.0 0.25 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.2 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.2 -1.0 1.0 1.0 0.97 0.02 0.02 0.03 0.97 -1.0 1.0 1.0 0.97 0.03 0.03 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 | 0.82 0.82 0.82 0.15 0.0 0.0 0.0 0.25 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.17 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.17 1.0 1.0 1.0 0.9 0.3 0.3 0.3 0.97 1.0 1.0 1.0 0.97 0.3 0.3 0.3 0.97 1.0 1.0 1.0 0.96 0.3 0.3 0.4 0.96 (0.1, 10.0, 1, 1, 10.0) | - 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | -0.81 0.81 0.81 0.15 0.0 0.0 0.0 0.26 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.18 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.18 -1.0 1.0 1.0 0.96 0.04 0.04 0.04 0.96 -1.0 1.0 1.0 0.95 0.04 0.04 0.05 0.95 -1.0 1.0 1.0 0.95 0.05 0.05 0.05 0.95 -1.0 1.0 1.0 0.95 0.05 0.05 0.05 0.95 -1.0 1.0 1.0 0.95 0.05 0.05 0.05 0.95 | 0.8 0.8 0.8 0.16 0.0 0.0 0.0 0.28 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.19 1.0 1.0 1.0 0.0 0.3 0.3 0.3 0.3 1.0 1.0 1.0 0.95 0.04 0.04 0.04 0.95 1.0 1.0 1.0 0.95 0.05 0.05 0.95 1.0 1.0 1.0 0.95 0.05 0.05 0.95 1.0 1.0 1.0 0.95 0.05 0.05 0.05 |
| wt, no DNAdam - 0.81 0.81 0.15 0.0 0.0 0.0 0.28 krasΔ, no DNAdam, 0/0 - 10 1.0 1.0 0.0 0.0 0.0 0.22 krasΔ, DNAdam, 0/0 - 10 1.0 1.0 0.0 0.0 0.0 0.0 0.2 0.0 krasΔ, DNAdam, chek1i/0 - 10 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0.82 0.82 0.82 0.14 0.0 0.0 0.0 0.26 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.22 1.0 1.0 1.0 0.0 0.0 0.3 0.3 0.3 0.01 1.0 1.0 1.0 0.9 0.3 0.3 0.3 0.97 1.0 1.0 1.0 0.96 0.3 0.3 0.3 0.96 1.0 1.0 1.0 0.96 0.3 0.3 0.0 0.96 (0.1, 10.0, 10.0, 0.1, 1) | - 0.8 0.8 0.8 0.16 0.0 0.0 0.0 0.3 - 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.2 0.2 0.2 0.2 0 | - 0.81 0.81 0.81 0.16 0.0 0.0 0.0 0.56 - 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.54 - 1.0 1.0 1.0 0.0 0.1 0.1 0.1 0.2 - 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, 0.1) | 0.79 0.79 0.79 0.17 0.0 0.0 0.0 0.55 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.57 1.0 1.0 1.0 0.0 0.1 0.1 0.1 0.2 1.0 1.0 1.0 0.85 0.14 0.14 0.15 0.85 1.0 1.0 1.0 0.85 0.15 0.15 0.15 0.85 1.0 1.0 1.0 0.85 0.15 0.15 0.15 0.85 (0.1, 10.0, 10.0, 10.0, 1, 1) | 0.79 0.79 0.79 0.17 0.0 0.0 0.0 0.57 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.57 1.0 1.0 1.0 0.0 0.1 0.1 0.11 0.13 1.0 1.0 1.0 0.85 0.14 0.14 0.15 0.85 1.0 1.0 1.0 0.86 0.13 0.13 0.14 0.86 1.0 1.0 1.0 0.85 0.14 0.14 0.15 0.85 (0.1, 10.0, 10.0, 1, 10.0) | 0.8 0.8 0.8 0.6 0.0 0.0 0.0 0.6 1 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.6 1.0 1.0 1.0 0.0 0.16 0.16 0.17 0.03 1.0 1.0 1.0 0.8 0.19 0.19 0.2 0.8 1.0 1.0 1.0 0.77 0.22 0.22 0.77 (0.1, 10.0, 10.0, 10.0, 10.0, 0.1) | - 0.81 0.81 0.81 0.16 0.0 0.0 0.0 0.59 - 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.62 - 1.0 1.0 1.0 0.8 0.16 0.16 0.16 0.02 - 1.0 1.0 1.0 0.8 0.19 0.19 0.2 0.8 - 1.0 1.0 1.0 0.78 0.21 0.21 0.22 0.78 - 1.0 1.0 1.0 0.78 0.21 0.21 0.22 0.78 - 0.1 0.0 0.78 0.21 0.21 0.22 0.78 | 0.8 0.8 0.8 0.6 0.0 0.0 0.0 0.61 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.61 1.0 1.0 1.0 0.0 0.13 0.13 0.03 1.0 1.0 1.0 0.79 0.2 0.2 0.21 0.79 1.0 1.0 1.0 0.79 0.2 0.2 0.21 0.79 1.0 1.0 1.0 0.79 0.2 0.2 0.21 0.79 (0.1, 10.0, 10.0, 10.0, 10.0, 10.0) |
| wt, no DNAdam | - 0.82 0.82 0.82 0.15 0.0 0.0 0.0 0.33 - 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 0.04 0.04 0.04 0.01 - 1.0 1.0 1.0 0.95 0.05 0.05 0.05 0.94 - 1.0 1.0 1.0 0.95 0.05 0.05 0.05 0.95 - 1.0 1.0 1.0 0.94 0.06 0.06 0.06 0.94 (1, 0.1, 0.1, 0.1, 1) | - 0.8 0.8 0.8 0.16 0.0 0.0 0.0 0.34 - 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.26 - 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 - 1.0 1.0 1.0 0.94 0.05 0.05 0.06 0.94 - 1.0 1.0 1.0 0.95 0.05 0.05 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 | -0.81 0.81 0.81 0.16 0.0 0.0 0.0 0.67 -1.0 1.0 1.0 0.0 0.0 0.17 0.17 0.18 0.03 -1.0 1.0 1.0 0.76 0.22 0.22 0.24 0.76 -1.0 1.0 1.0 0.76 0.22 0.22 0.24 0.76 -1.0 1.0 1.0 0.76 0.22 0.22 0.24 0.76 (1, 0.1, 0.1, 1, 0.1) | 0.8 0.8 0.8 0.16 0.0 0.0 0.0 0.0 0.67 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.68 1.0 1.0 1.0 0.77 0.22 0.22 0.23 0.77 1.0 1.0 1.0 0.78 0.22 0.22 0.22 0.78 1.0 1.0 1.0 0.75 0.24 0.24 0.25 0.75 (1, 0.1, 0.1, 1, 1) | 0.8 0.8 0.8 0.16 0.0 0.0 0.0 0.68 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.67 1.0 1.0 1.0 0.0 0.17 0.17 0.18 0.04 1.0 1.0 1.0 0.77 0.22 0.22 0.23 0.77 1.0 1.0 1.0 0.78 0.21 0.21 0.22 0.78 (1, 0.1, 0.1, 1, 10.0) | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.72 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0 1.0 0.7 0.29 0.29 0.3 0.7 1.0 1.0 1.0 0.69 0.3 0.3 0.31 0.69 1.0 1.0 1.0 0.67 0.32 0.32 0.33 0.67 (1, 0.1, 0.1, 10.0, 0.1) | - 0.81 | 0.81 0.81 0.81 0.16 0.0 0.0 0.0 0.72 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.72 1.0 1.0 1.0 0.0 0.23 0.23 0.24 0.03 1.0 1.0 1.0 0.7 0.29 0.29 0.3 0.7 1.0 1.0 1.0 0.66 0.33 0.33 0.34 0.66 1.0 1.0 1.0 0.66 0.33 0.33 0.34 0.66 (1, 0.1, 0.1, 10.0, 10.0) |
| wt, no DNAdam - 0.83 0.83 0.03 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | - 0.81 0.81 0.81 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 0.0 0.0 | -0.81 0.81 0.81 0.04 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 0.0 -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 -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, 1, 0.1, 10.0) | -0.81 0.81 0.81 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 0.0 0.0 | 0.8 0.8 0.8 0.04 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 0.0 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 0.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 | 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 0.04 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.01 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 0.99 (1, 0.1, 1, 1, 10.0) | -0.82 0.82 0.82 0.03 0.0 0.0 0.0 0.04 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.04 -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 | 0.8 0.8 0.8 0.04 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 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 1.0 1.0 1.0 1.0 0.99 0.0 0.0 0.0 0.99 (1, 0.1, 1, 10.0, 1) | - 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 0.0 0.0 |
| wt, no DNAdam - 0.81 0.81 0.04 0.0 0.0 0.0 0.06 krasΔ, no DNAdam, 0/0 - 10 10 10 0.0 0.0 0.0 0.0 0.0 krasΔ, DNAdam, 0/0 - 10 10 10 0.0 0.0 0.0 0.0 0.0 krasΔ, DNAdam, chek1i/0 - 10 10 10 10 0.0 0.0 0.0 0.0 0.0 krasΔ, DNAdam, 0/mk2i - 10 10 10 10 0.0 0.0 0.0 0.0 0.0 krasΔ, DNAdam, chek1i/mk2i - 10 10 10 10 0.0 0.0 0.0 0.0 0.0 0.0 krasΔ, DNAdam, chek1i/mk2i - 10 10 10 10 0.0 0.0 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 | 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 0.1 1 - 1.0 1.0 1.0 0.9 0.0 0.1 0.1 0.1 0.9 0.1 0.1 0.1 0.9 0.1 0.1 0.1 0.1 0.9 0.1 0.1 0.1 0.1 0.9 0.1 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 | 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 | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.1 1.0 1.0 | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.1 1 1.0 1.0 | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.1 1.0 1.0 |
| krasΔ, no DNAdam, 0/0 - 10 10 10 00 00 00 00 00 00 krasΔ, DNAdam, 0/0 - 10 10 10 00 00 00 00 00 00 00 krasΔ, DNAdam, chek1i/0 - 10 10 10 10 00 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 - 0.8 0.8 0.8 0.14 00 000 00 016 | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 1 | 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 0.12 1.0 1.0 1.0 0.0 0.0 0.1 0.1 0.01 1.0 1.0 1.0 0.98 0.01 0.1 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, 1, 0.1, 1, 0.1) | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.1 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.2 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 1.0 1.0 1.0 0.98 0.0 0.0 0.0 0.0 0.99 (1, 1, 0.1, 1, 1) - 0.81 0.81 0.81 0.13 0.0 0.0 0.0 0.0 0.19 | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.12 1.0 1.0 1.0 0.0 0.1 0.1 0.1 0.02 1.0 1.0 1.0 0.98 0.1 0.1 0.0 0.98 1.0 1.0 1.0 0.99 0.1 0.1 0.1 0.99 1.0 1.0 1.0 0.98 0.2 0.2 0.2 0.98 (1, 1, 0.1, 1, 10.0) | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.1 0.0 1.4 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 1.0 1.0 0.97 0.02 0.02 0.03 0.97 1.0 1.0 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 0.02 0.03 0.97 0.02 0.03 0.97 0.02 0.03 0.97 0.02 0.03 0.97 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.0 | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.1 0.1 1.1 1 | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.14 1.0 1.0 1.0 0.0 0.01 0.01 0.01 0.02 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 0.98 0.02 0.02 0.02 0.98 (1, 1, 0.1, 10.0, 10.0) 0.8 0.8 0.8 0.14 0.0 0.0 0.0 0.2 |
| krasΔ, no ĎNAdam, 0/0 - 10 10 10 00 00 00 00 00 00 krasΔ, DNAdam, 0/0 - 10 10 10 00 00 00 00 00 00 krasΔ, DNAdam, chek1i/0 - 10 10 10 10 00 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 krasΔ, DNAdam, chek1i/mk2i - 10 10 10 10 00 00 00 10 krasΔ, DNAdam, chek1i/mk2i - 10 10 10 10 00 00 00 10 krasΔ, DNAdam, chek1i/mk2i - 10 10 10 10 00 00 00 00 00 00 00 00 00 | 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 0.0 0.0 0.0 0.0 0.0 0.0 1.0 1 | 1.0 1.0 1.0 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 0.9 0.0 0.0 0.0 0.9 1.0 1.0 1.0 0.9 0.0 0.0 0.0 0.9 1.0 1.0 1.0 0.9 0.0 0.0 0.0 0.9 (1, 1, 1, 1, 0.1) -0.79 0.79 0.79 0.14 0.0 0.0 0.0 0.39 | 1.0 1.0 1.0 0.0 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 0.02 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 0.99 1.0 1.0 1.0 0.99 0.0 0.0 0.0 0.99 (1, 1, 1, 1, 1) | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.12 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.03 1.0 1.0 1.0 0.9 0.0 0.0 0.0 0.0 0.99 1.0 1.0 1.0 0.9 0.0 0.0 0.0 0.99 1.0 1.0 1.0 0.9 0.0 0.0 0.0 0.99 (1, 1, 1, 1, 1, 10.0) - 0.8 0.8 0.8 0.14 0.0 0.0 0.0 0.38 | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.14 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.03 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 0.02 0.02 0.02 0.98 (1, 1, 1, 10.0, 0.1) | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.15 1.0 1.0 1.0 0.0 0.0 0.1 0.01 0.01 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, 1, 1, 1, 10.0, 1) -0.81 0.81 0.81 0.14 0.0 0.0 0.0 0.43 | 1.0 1.0 1.0 0.0 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 0.98 0.0 0.0 0.0 0.0 0.98 1.0 1.0 1.0 0.98 0.0 0.0 0.0 0.0 0.98 1.0 1.0 1.0 0.99 0.0 0.0 0.0 0.99 (1, 1, 1, 1, 10.0, 10.0) - 0.8 0.8 0.8 0.8 0.15 0.0 0.0 0.0 0.44 |
| krasΔ, no ĎNAdam, 0/0 - 10 10 10 00 00 00 00 016 krasΔ, DNAdam, 0/0 - 10 10 10 00 00 00 00 00 00 00 krasΔ, DNAdam, chek1i/0 - 10 10 10 00 00 00 00 00 00 00 00 00 krasΔ, DNAdam, 0/mk2i - 10 10 10 00 00 00 00 00 00 00 krasΔ, DNAdam, chek1i/mk2i - 10 10 10 00 00 00 00 00 00 00 00 00 00 | 1.0 1.0 1.0 1.0 0.0 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 0.0 | 1.0 1.0 1.0 0.0 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 0.0 | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.4 1.0 1.0 1.0 0.0 0.3 0.3 0.3 0.09 1.0 1.0 1.0 0.94 0.06 0.06 0.06 0.94 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, 1, 10.0, 1, 0.1) | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.39 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.07 1.0 1.0 1.0 0.94 0.05 0.05 0.06 0.94 1.0 1.0 1.0 0.95 0.05 0.05 0.06 0.94 1.0 1.0 1.0 0.95 0.05 0.05 0.05 0.95 (1, 1, 10.0, 1, 1) 1.0 0.8 0.8 0.8 0.14 0.0 0.0 0.0 0.49 | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.39 1.0 1.0 1.0 0.0 0.3 0.3 0.3 0.8 1.0 1.0 1.0 0.94 0.5 0.5 0.6 0.94 1.0 1.0 1.0 0.94 0.5 0.5 0.6 0.94 1.0 1.0 1.0 0.94 0.5 0.5 0.6 0.94 (1, 1, 10.0, 1, 10.0) 0.81 0.81 0.81 0.13 0.0 0.0 0.0 0.46 | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.44 1.0 1.0 1.0 0.0 0.5 0.5 0.6 0.8 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 0.07 0.07 0.08 0.92 (1, 1, 10.0, 10.0, 0.1) | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.42 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.8 1.0 1.0 1.0 0.9 0.0 0.0 0.0 0.0 0.9 1.0 1.0 1.0 0.9 0.0 0.0 0.0 0.1 0.9 1.0 1.0 1.0 0.9 0.9 0.0 0.9 0.1 0.9 1.0 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.42 1.0 1.0 1.0 0.0 0.05 0.05 0.06 0.08 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 0.07 0.07 0.08 0.92 1.1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| krasΔ, no DNAdam, 0/0 - 10 10 10 00 00 00 00 018 krasΔ, DNAdam, 0/0 - 10 10 10 00 00 00 00 00 00 00 krasΔ, DNAdam, chek1i/0 - 10 10 10 00 00 00 00 00 00 00 00 krasΔ, DNAdam, 0/mk2i - 10 10 10 00 00 00 00 00 00 00 krasΔ, DNAdam, chek1i/mk2i - 10 10 10 00 00 00 00 00 00 00 00 00 00 | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.19 1.0 1.0 1.0 0.0 0.0 0.0 0.01 0.01 0.04 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 0.0 0.0 0.0 0.0 0.0 0.17 | - 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.18 - 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.04 - 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 0.01 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 | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.49 | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.47 1.0 1.0 1.0 0.0 0.0 0.05 0.05 0.06 0.1 1.0 1.0 1.0 0.9 0.09 0.09 0.1 0.9 1.0 1.0 1.0 0.9 0.09 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 0.9 0.9 0.1 0.9 1.0 1.0 1.0 0.9 0.9 0.9 0.9 0.1 0.9 | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.47 1.0 1.0 1.0 0.0 0.5 0.5 0.6 0.09 1.0 1.0 1.0 0.9 0.8 0.8 0.1 0.9 1.0 1.0 1.0 0.9 0.9 0.9 0.11 0.9 1.0 1.0 1.0 0.9 0.9 0.9 0.9 0.1 (1, 10.0, 0.1, 1, 10.0) | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.5 1.0 1.0 1.0 0.0 0.9 0.9 0.1 0.9 1.0 1.0 1.0 0.85 0.13 0.13 0.15 0.85 1.0 1.0 1.0 0.86 0.13 0.13 0.14 0.86 (1, 10.0, 0.1, 10.0, 0.1) 0.82 0.82 0.82 0.13 0.0 0.0 0.0 0.25 | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.5 1.0 1.0 1.0 0.8 0.8 0.8 0.9 0.1 1.0 1.0 1.0 0.8 0.1 0.1 0.1 0.8 1.0 1.0 1.0 0.8 0.1 0.1 0.1 0.8 1.0 1.0 1.0 0.8 0.1 0.1 0.1 0.8 (1, 10.0, 0.1, 10.0, 1) - 0.81 0.81 0.81 0.15 0.0 0.0 0.0 0.26 | 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 0.8 0.8 0.9 0.9 1.0 1.0 1.0 0.8 0.1 0.1 0.1 0.1 0.8 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 |
| krasΔ, no DNAdam, 0/0 - 10 10 10 00 00 00 00 00 00 krasΔ, DNAdam, 0/0 - 10 10 10 00 00 00 00 00 00 00 krasΔ, DNAdam, chek1i/0 - 10 10 10 10 00 00 00 00 00 00 krasΔ, DNAdam, 0/mk2i - 10 10 10 10 10 00 00 00 00 00 krasΔ, DNAdam, chek1i/mk2i - 10 10 10 10 10 00 00 00 00 00 00 krasΔ, DNAdam, chek1i/mk2i - 10 10 10 10 10 00 00 00 00 00 00 00 00 | 1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 1.0 1 | 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 0.16 1.0 1.0 1.0 0.9 0.0 0.0 0.0 0.0 0.04 1.0 1.0 1.0 0.98 0.0 0.0 0.0 0.0 0.98 1.0 1.0 1.0 0.98 0.0 0.0 0.0 0.0 0.98 (1, 10.0, 1, 1, 0.1) -0.82 0.82 0.82 0.15 0.0 0.0 0.0 0.55 | (1, 10.0, 1, 1, 1) | 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 0.04 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, 10.0, 1, 1, 10.0) - 0.82 0.82 0.82 0.15 0.0 0.0 0.0 0.54 | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.19 1.0 1.0 1.0 0.97 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, 10.0, 1, 10.0, 0.1) 0.8 0.8 0.8 0.15 0.0 0.0 0.0 0.59 | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.18 1.0 1.0 1.0 0.97 0.03 0.03 0.03 0.97 1.0 1.0 1.0 0.97 0.02 0.02 0.03 0.97 1.0 1.0 1.0 0.96 0.03 0.03 0.04 0.96 (1, 10.0, 1, 10.0, 1) 0.8 0.8 0.8 0.16 0.0 0.0 0.0 0.0 0.62 | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.2 1.0 1.0 1.0 0.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 |
| krasΔ, no DNAdam, 0/0 - 10 10 10 00 00 00 00 02 krasΔ, DNAdam, 0/0 - 10 10 10 00 00 00 00 00 00 00 00 krasΔ, DNAdam, chek1i/0 - 10 10 10 00 00 00 00 00 00 00 00 00 krasΔ, DNAdam, 0/mk2i - 10 10 10 00 00 00 00 00 00 00 00 krasΔ, DNAdam, chek1i/mk2i - 10 10 10 00 00 00 00 00 00 00 00 00 00 | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.2 1 1.0 1.0 1.0 0.9 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 0.2 0.2 0.2 0.04 1.0 1.0 1.0 1.0 0.9 0.1 0.0 0.0 0.9 0.9 0.1 0.0 0.0 0.9 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 0.54 1.0 1.0 1.0 0.0 0.06 0.06 0.08 0.12 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, 10.0, 10.0, 1, 0.1) -0.81 0.81 0.15 0.0 0.0 0.0 0.64 | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.8 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.13 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 0.89 0.09 0.09 0.11 0.89 (1, 10.0, 10.0, 1, 1) | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.55 1.0 1.0 1.0 0.0 0.06 0.06 0.08 0.12 1.0 1.0 1.0 0.89 0.99 0.9 0.1 0.9 1.0 1.0 1.0 0.9 0.9 0.9 0.9 0.1 (1, 10.0, 10.0, 1, 10.0) -0.78 0.78 0.78 0.18 0.0 0.0 0.0 0.67 | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.58 1.0 1.0 1.0 0.0 0.1 0.1 0.1 0.12 0.11 1.0 1.0 1.0 0.84 0.14 0.14 0.16 0.84 1.0 1.0 1.0 0.86 0.11 0.11 0.14 0.86 1.0 1.0 1.0 0.84 0.13 0.13 0.16 0.84 (1, 10.0, 10.0, 10.0, 0.1) 0.79 0.79 0.79 0.79 0.17 0.0 0.0 0.0 0.72 | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.6 0.6 1.0 1.0 1.0 1.0 0.8 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.61 1.0 1.0 1.0 0.0 0.1 0.1 0.1 0.12 0.12 1.0 1.0 1.0 0.84 0.14 0.14 0.16 0.84 1.0 1.0 1.0 0.82 0.15 0.15 0.18 0.82 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 |
| krasΔ, no ĎNAdam, 0/0 - 10 10 10 00 00 00 00 027 krasΔ, DNAdam, 0/0 - 10 10 10 00 00 00 00 00 00 00 krasΔ, DNAdam, chek1i/0 - 10 10 10 00 00 00 00 00 00 00 00 00 krasΔ, DNAdam, 0/mk2i - 10 10 10 00 00 00 00 00 00 00 krasΔ, DNAdam, chek1i/mk2i - 10 10 10 00 00 00 00 00 00 00 00 krasΔ, no ĎNAdam - 0/0 - 00 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 0.0 0.0 0.0 | 10 10 10 00 00 00 00 00 00 00 00 00 00 0 | 1.0 1.0 1.0 0.0 0.1 0.1 0.1 0.1 0.1 0.1 | 1.0 1.0 1.0 0.0 0.11 0.11 0.12 0.15 1.0 1.0 1.0 0.84 0.13 0.13 0.16 0.84 1.0 1.0 1.0 0.83 0.14 0.14 0.17 0.83 1.0 1.0 1.0 0.84 0.14 0.14 0.16 0.84 (10.0, 0.1, 0.1, 1, 1) | 1.0 1.0 1.0 0.0 0.1 0.1 0.13 0.13 1.0 1.0 1.0 0.8 0.15 0.15 0.18 0.82 1.0 1.0 1.0 0.8 0.15 0.15 0.18 0.82 1.0 1.0 1.0 0.8 0.15 0.15 0.18 0.82 1.0 1.0 1.0 0.8 0.15 0.15 0.18 0.82 (10.0, 0.1, 0.1, 0.1, 1, 10.0) | 10 1.0 1.0 0.0 0.19 0.19 0.22 0.13 10 1.0 1.0 0.76 0.21 0.21 0.24 0.76 10 1.0 1.0 0.74 0.23 0.23 0.26 0.74 10 1.0 1.0 0.74 0.23 0.23 0.26 0.74 (10.0, 0.1, 0.1, 10.0, 0.1) | 1.0 1.0 1.0 0.0 0.18 0.18 0.21 0.15 1.0 1.0 1.0 0.75 0.22 0.22 0.25 0.75 1.0 1.0 1.0 0.75 0.22 0.22 0.25 0.75 1.0 1.0 1.0 0.75 0.22 0.22 0.25 0.75 (10.0, 0.1, 0.1, 10.0, 1) | 1.0 1.0 1.0 0.0 0.19 0.19 0.21 0.14 1.0 1.0 1.0 0.76 0.2 0.2 0.24 0.76 1.0 1.0 1.0 0.75 0.22 0.22 0.25 0.75 1.0 1.0 1.0 0.75 0.22 0.22 0.25 0.75 (10.0, 0.1, 0.1, 10.0, 10.0) |
| krasΔ, DNAdam, 0/0 - 10 10 10 00 00 00 00 00 00 krasΔ, DNAdam, chek1i/0 - 10 10 10 10 00 00 00 00 10 krasΔ, DNAdam, 0/mk2i - 10 10 10 10 10 00 00 00 00 00 krasΔ, DNAdam, chek1i/mk2i - 10 10 10 10 10 00 00 00 00 00 00 00 00 | - 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 1.0 0.0 0.0 0.0 0.0 0.0 0.0 | (10.0, 0.1, 1, 1, 0.1) -0.81 0.81 0.81 0.00 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 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 | (10.0, 0.1, 1, 1, 1) | (10.0, 0.1, 1, 1, 10.0) -0.81 0.81 0.81 0.03 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 0.0 0.0 0.0 0.0 -0.81 0.81 0.81 0.03 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 | (10.0, 0.1, 1, 10.0, 0.1) (10.0, 0.1, 1, 10.0, 0.0 0.0 0.1) | - 1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 1.0 1 | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0 |
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| krasΔ, DNAdam, 0/0 - 10 10 10 00 00 00 00 00 00 krasΔ, DNAdam, chek1i/0 - 10 10 10 10 00 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 - 0.81 0.81 0.81 0.13 00 00 00 01 15 krasΔ, no DNAdam, 0/0 - 10 10 10 10 00 00 00 00 00 | 1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 1.0 1 | (10.0, 1, 0.1, 0.1, 10.0) -0.8 0.8 0.8 0.13 0.0 0.0 0.0 0.0 0.15 | (10.0, 1, 0.1, 1, 0.1) (10.0, 1, 0.1, 1, 0.1) (10.0, 1, 0.1, 1, 0.1) (10.0, 1, 0.1, 1, 0.1) | 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 | 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 0.02 0.02 0.02 0.04 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 (10.0, 1, 0.1, 10.0, 1) | 1.0 1.0 1.0 0.0 0.01 0.01 0.01 0.04 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 0.02 0.98 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) 1.0 1.0 0.0 0.0 0.0 0.0 0.13 |
| krasΔ, DNAdam, 0/0 - 10 10 10 00 00 00 00 00 00 krasΔ, DNAdam, chek1i/0 - 10 10 10 10 00 00 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 10 (10.0, 1, 1, 0.1, 0.1) wt, no DNAdam - 0.82 0.82 0.82 0.12 00 00 00 0.2 krasΔ, no DNAdam, 0/0 - 10 10 10 10 00 00 00 00 0.1 | - 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 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 0.04 -1.0 1.0 1.0 0.99 0.01 0.01 0.01 0.99 -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 | -1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.4 -1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 1.0 -1.0 1.0 1.0 0.9 0.1 0.1 0.1 0.9 -1.0 1.0 1.0 0.9 0.1 0.1 0.1 0.9 (10.0, 1, 1, 1, 10.0) -0.79 0.79 0.79 0.15 0.0 0.0 0.0 0.4 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.3 | 1.0 1.0 1.0 0.0 0.01 0.01 0.01 0.05 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 0.99 0.01 0.01 0.01 0.99 (10.0, 1, 1, 10.0, 0.1) | 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 0.01 0.01 0.01 0.04 1.0 1.0 1.0 0.98 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 0.99 0.01 0.01 0.01 0.99 (10.0, 1, 1, 10.0, 10.0) -0.82 0.82 0.82 0.12 0.0 0.0 0.0 0.41 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.45 |
| krasΔ, DNAdam, 0/0 - 100 100 000 000 000 000 000 krasΔ, DNAdam, chek1i/0 - 100 100 000 000 000 000 000 000 krasΔ, DNAdam, 0/mk2i - 100 100 000 000 000 000 000 krasΔ, DNAdam, chek1i/mk2i - 100 100 000 000 000 000 000 000 000 0 | (10.0, 1, 10.0, 0.1, 1) - 1.0 1.0 1.0 1.0 0.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 1.0 1.0 1.0 1.0 1.0 1.0 1 0.01 0.01 0.0 | 1.0 1.0 1.0 0.0 0.03 0.03 0.03 0.11 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 0.04 0.96 (10.0, 1, 10.0, 1, 0.1) | (10.0, 1, 10.0, 1, 1) | 1.0 1.0 1.0 0.0 0.02 0.02 0.02 0.11 1.0 1.0 1.0 0.96 0.04 0.04 0.96 1.0 1.0 1.0 0.96 0.04 0.04 0.96 1.0 1.0 1.0 0.97 0.03 0.03 0.03 0.97 (10.0, 1, 10.0, 1, 10.0) - 0.8 0.8 0.8 0.14 0.0 0.0 0.0 0.46 - 1.0 1.0 1.0 0.0 0.0 0.0 0.46 | (10.0, 1, 10.0, 10.0, 0.0, 0.0, 0.0, 0.1) | 1.0 1.0 1.0 0.0 0.04 0.04 0.04 0.03 1.0 1.0 1.0 0.94 0.06 0.06 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 0.07 0.07 0.07 0.93 (10.0, 1, 10.0, 10.0, 1) 0.0 0.0 0.0 0.0 0.51 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.52 | 1.0 1.0 1.0 0.0 0.04 0.04 0.05 0.12 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 0.07 0.07 0.07 0.93 (10.0, 1, 10.0, 10.0, 10.0, 10.0) 0.0 0.0 0.0 0.5 1.0 1.0 1.0 0.0 0.0 0.0 0.5 0.52 |
| krasΔ, DNAdam, 0/0 - 100 100 100 100 100 100 100 100 100 | - 1.0 1.0 1.0 1.0 0.0 0.01 0.01 0.01 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 0.05 0.05 0.05 0.15 -1.0 1.0 1.0 0.93 0.07 0.07 0.93 -1.0 1.0 1.0 0.93 0.07 0.07 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, 0.1) -0.79 0.79 0.79 0.17 0.0 0.0 0.0 0.27 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.18 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.18 | - 1.0 1.0 1.0 0.0 0.05 0.05 0.05 0.14 - 1.0 1.0 1.0 0.93 0.06 0.06 0.07 0.93 - 1.0 1.0 1.0 0.94 0.05 0.05 0.06 0.94 - 1.0 1.0 1.0 0.93 0.07 0.07 0.07 0.93 - (10.0, 10.0, 0.1, 1, 1) - 0.8 0.8 0.8 0.15 0.0 0.0 0.0 0.26 - 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.17 | -1.0 1.0 1.0 0.0 0.5 0.5 0.5 0.14 -1.0 1.0 1.0 0.94 0.6 0.6 0.6 0.94 -1.0 1.0 1.0 0.93 0.6 0.6 0.7 0.93 -1.0 1.0 1.0 0.93 0.6 0.6 0.7 0.93 (10.0, 10.0, 0.1, 1, 10.0) -0.81 0.81 0.81 0.15 0.0 0.0 0.0 0.26 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.17 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.17 | 1.0 1.0 1.0 0.0 0.08 0.08 0.08 0.14 1.0 1.0 1.0 0.9 0.1 0.1 0.1 0.9 1.0 1.0 1.0 0.9 0.9 0.9 0.1 0.9 1.0 1.0 1.0 0.8 0.1 0.1 0.1 0.89 (10.0, 10.0, 0.1, 10.0, 0.1) - 0.81 0.81 0.81 0.15 0.0 0.0 0.0 0.26 - 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.19 | 1.0 1.0 1.0 0.0 0.8 0.8 0.8 0.15 1.0 1.0 1.0 0.9 0.1 0.1 0.1 0.9 1.0 1.0 1.0 0.9 0.0 0.0 0.0 0.1 0.1 1.0 1.0 1.0 0.89 0.1 0.1 0.1 0.89 (10.0, 10.0, 0.1, 10.0, 1) - 0.81 0.81 0.81 0.15 0.0 0.0 0.0 0.2 0.2 1.0 1.0 1.0 1.0 0.2 0.2 0.2 0.0 0.0 0.2 0.2 0.0 0.0 0 | -1.0 1.0 1.0 0.0 0.08 0.08 0.08 0.16 -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 0.8 0.11 0.11 0.11 0.89 (10.0, 10.0, 0.1, 10.0, 10.0) -0.8 0.8 0.8 0.15 0.0 0.0 0.0 0.27 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.18 |
| krasΔ, DNAdam, 0/0 - 10 10 10 00 00 00 00 00 10 krasΔ, DNAdam, chek1i/0 - 10 10 10 10 00 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 10 (10.0, 10.0, 1, 0.1, 0.1) wt, no DNAdam - 0/0 - 10 10 10 00 00 00 00 02 krasΔ, DNAdam, 0/0 - 10 10 10 00 00 00 00 00 00 00 00 krasΔ, DNAdam, 0/0 - 10 10 10 00 00 00 00 00 00 00 00 00 00 | (10.0, 10.0, 10.0, 0.0, 0.0, 0.0, 0.0, 1.0, 1 | 10 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 1 | 1.0 1.0 1.0 0.0 0.01 0.01 0.01 0.06 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 (10.0, 10.0, 1, 1, 0.1) - 0.8 0.8 0.8 0.6 0.0 0.0 0.0 0.0 0.57 - 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.56 - 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.19 | 1.0 1.0 1.0 0.0 0.01 0.01 0.01 0.06 1.0 1.0 1.0 0.99 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 0.99 0.01 0.01 0.01 0.99 (10.0, 10.0, 1, 1, 1) - 0.81 0.81 0.81 0.16 0.0 0.0 0.0 0.56 - 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.55 | -1.0 1.0 1.0 1.0 0.0 0.1 0.01 0.01 0.06 -1.0 1.0 1.0 0.98 0.02 0.02 0.98 -1.0 1.0 1.0 0.99 0.1 0.1 0.1 0.99 -1.0 1.0 1.0 0.99 0.1 0.1 0.1 0.99 -1.0 1.0 1.0 0.99 0.1 0.1 0.1 0.99 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.57 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.55 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.2 | 1.0 1.0 1.0 0.0 0.0 0.02 0.02 0.02 0.06 1.0 1.0 1.0 0.98 0.02 0.02 0.03 0.97 1.0 1.0 1.0 0.98 0.02 0.02 0.03 0.97 1.0 1.0 1.0 0.98 0.02 0.02 0.03 0.98 (10.0, 10.0, 1, 10.0, 0.1) - 0.81 0.81 0.81 0.15 0.0 0.0 0.0 0.0 0.61 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.6 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.6 | 1.0 1.0 1.0 0.0 0.02 0.02 0.02 0.06 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 (10.0, 10.0, 1, 10.0, 1) - 0.82 0.82 0.82 0.15 0.0 0.0 0.0 0.0 0.6 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.6 1.0 1.0 1.0 0.0 0.0 0.08 0.08 0.2 | 1.0 1.0 1.0 0.0 0.02 0.02 0.02 0.06 1.0 1.0 1.0 0.97 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 0.98 0.02 0.02 0.02 0.98 (10.0, 10.0, 1, 10.0, 10.0) 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.62 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.62 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.02 |
| krasΔ, DNAdam, 0/0 - 10 10 10 10 10 10 10 10 10 10 10 10 10 | (10.0, 10.0, 10.0, 0.01 0.01 0.01 0.02 0.99 1.0 1.0 1.0 1.0 0.99 0.01 0.01 0.0 | 1.0 1.0 1.0 1.0 1.0 1.0 1 1.0 1 1.0 1 1.0 1 1.0 1 1.0 1 1.0 1.0 | 1.0 1.0 1.0 1.0 1.0 1.05 1.05 1.05 1.05 | 1.0 1.0 1.0 0.0 0.05 0.05 0.05 0.2 1.0 1.0 1.0 0.94 0.06 0.06 0.06 0.09 0.94 1.0 1.0 1.0 0.93 0.06 0.06 0.07 0.93 1.0 1.0 1.0 0.92 0.08 0.08 0.08 0.92 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.67 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.67 1.0 1.0 1.0 0.0 0.0 0.09 0.09 0.09 0.22 | 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.2 1.0 1.0 1.0 0.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 1.0 1.0 1.0 0.8 0.08 0.08 0.09 0.21 1.0 1.0 1.0 0.89 0.11 0.11 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 (10.0, 10.0, 10.0, 10.0, 0.0 0.0 0.0 0.1) -0.81 0.81 0.81 0.17 0.0 0.0 0.0 0.0 0.71 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.73 1.0 1.0 1.0 0.0 0.0 0.14 0.14 0.15 0.2 | 1.0 1.0 1.0 0.0 0.08 0.08 0.08 0.2 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 1.0 1.0 1.0 0.88 0.12 0.12 0.12 0.12 0.18 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.74 1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.74 1.0 1.0 1.0 1.0 0.0 0.14 0.14 0.14 0.21 | 1.0 1.0 1.0 0.0 0.09 0.09 0.09 0.21 1.0 1.0 1.0 0.88 0.11 0.11 0.12 0.88 1.0 1.0 1.0 0.89 0.11 0.11 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, 10.0) -0.8 0.8 0.8 0.16 0.0 0.0 0.0 0.0 0.71 -1.0 1.0 1.0 0.0 0.0 0.0 0.0 0.72 -1.0 1.0 1.0 0.0 0.0 0.15 0.15 0.16 0.22 |
| krasΔ, DNAdam, chek1i/0 | BRAF BRAF BRAF BRAF BRAF BRAF BRAF BRAF | BRAF MEK D38 CDK1 CDK1 CASP3 C | BRAF DS S S S S S S S S S S S S S S S S S S | BRAF D38 CDK1 CDK1 TM_ATR CASP3 CASP3 Feration | AAF ABA STORY OF STOR | A H M M M M M M M M M M M M M M M M M M | AAF ATRICAL STOR STOR STOR STOR STOR STOR STOR STOR | WE SE |
| AT DS | B CI ATM_ DSB_ CA_ Prolifera | C ATM DSB CA Prolifera | CI ATM DSB CA Prolifera | DSB CA | BI CI ATM DSB C CA | BH CE ATM A DSB S CAS | B CI ATM DSB CA CA | B CI ATM DSB CA |