# Table S3

*A. thaliana (MA1_3)*

| context | annotation | alpha | beta | beta/alpha | FM | RM | F-value | df RM | df FM | P--value |
|---------|-----------|-------|------|-----------|-----|-----|---------|-------|-------|----------|
| CG | global | 0.0001411325 | 0.0006480785 | 4.592 | ABneutral | Abnull | 26.0964 | 35 | 31 | 1.545386E-09 |
| CG | exon | 0.0004417924 | 0.001566664 | 3.546 | ABneutral | Abnull | 36.7694 | 35 | 31 | 2.352825E-11 |
| CG | promoter | 8.473369E-05 | 0.0009098872 | 10.738 | ABneutral | Abnull | 22.7134 | 35 | 31 | 7.66475E-09 |
| CG | TE | 0.0002361935 | 0.0001108124 | 0.469 | ABneutral | Abnull | 7.9028 | 35 | 31 | 0.0001635841 |
| CG | global | | | | ABselectUU | Abneutral | 0.6312 | 32 | 31 | 0.4329535 |
| CG | exon | | | | ABselectUU | Abneutral | 0.1957 | 32 | 31 | 0.6612462 |
| CG | promoter | | | | ABselectUU | Abneutral | 0.4402 | 32 | 31 | 0.5119528 |
| CG | TE | | | | ABselectUU | Abneutral | 0.0135 | 32 | 31 | 0.9084139 |
| CG | global | | | | ABselectMM | Abneutral | 0.6343 | 32 | 31 | 0.4318425 |
| CG | exon | | | | ABselectMM | Abneutral | 0.2816 | 32 | 31 | 0.5994397 |
| CG | promoter | | | | ABselectMM | Abneutral | 0.2889 | 32 | 31 | 0.5947381 |
| CG | TE | | | | ABselectMM | Abneutral | 0.0163 | 32 | 31 | 0.8993372 |
| | | | | | | | | | | |
| CHG | global | NA | NA | NA | ABneutral | Abnull | 0.6354 | 35 | 31 | 0.6410907 |
| CHG | exon | NA | NA | NA | ABneutral | Abnull | 0.4926 | 35 | 31 | 0.7411286 |
| CHG | promoter | NA | NA | NA | ABneutral | Abnull | 0.7356 | 35 | 31 | 0.5747893 |
| CHG | TE | NA | NA | NA | ABneutral | Abnull | 0.3041 | 35 | 31 | 0.8729979 |
| CHG | global | | | | ABselectUU | Abneutral | 0.0271 | 32 | 31 | 0.8703212 |
| CHG | exon | | | | ABselectUU | Abneutral | 0.0000 | 32 | 31 | 1 |
| CHG | promoter | | | | ABselectUU | Abneutral | 0.1223 | 32 | 31 | 0.7289703 |
| CHG | TE | | | | ABselectUU | Abneutral | 0.0759 | 32 | 31 | 0.7847896 |
| CHG | global | | | | ABselectMM | Abneutral | 0.0312 | 32 | 31 | 0.8609342 |
| CHG | exon | | | | ABselectMM | Abneutral | 0.0000 | 32 | 31 | 1.00E+00 |
| CHG | promoter | | | | ABselectMM | Abneutral | 0.1063 | 32 | 31 | 0.7466025 |
| CHG | TE | | | | ABselectMM | Abneutral | 0.0779 | 32 | 31 | 0.7820306 |
| | | | | | | | | | | |
| CHH | global | NA | NA | NA | ABneutral | Abnull | 0.6695 | 35 | 31 | 0.6180636 |
| CHH | exon | NA | NA | NA | ABneutral | Abnull | 0.5049 | 35 | 31 | 0.732369 |
| CHH | promoter | NA | NA | NA | ABneutral | Abnull | 1.2939 | 35 | 31 | 0.2938961 |
| CHH | TE | NA | NA | NA | ABneutral | Abnull | 0.3691 | 35 | 31 | 0.8287454 |
| CHH | global | | | | ABselectUU | Abneutral | 0.0018 | 32 | 31 | 0.9661093 |
| CHH | exon | | | | ABselectUU | Abneutral | 0.0000 | 32 | 31 | 1 |
| CHH | promoter | | | | ABselectUU | Abneutral | 0.0016 | 32 | 31 | 0.9687817 |
| CHH | TE | | | | ABselectUU | Abneutral | 0.7337 | 32 | 31 | 0.3982717 |
| CHH | global | | | | ABselectMM | Abneutral | 0.0079 | 32 | 31 | 0.9296158 |
| CHH | exon | | | | ABselectMM | Abneutral | 0.0000 | 32 | 31 | 1 |
| CHH | promoter | | | | ABselectMM | Abneutral | 0.0003 | 32 | 31 | 0.9871071 |
| CHH | TE | | | | ABselectMM | Abneutral | 0.0325 | 32 | 31 | 0.8581938 |

**FM = Full model**
**RM = Reduced model**
**df = degrees of freedom**
<span style="background-color:#00ff00">      </span> **Best performing model**

**Table S3**: Epimutation rate estimates and model selection results for pedigree MA1_3