

Supplemental Table 2: Mutagen Specificity

Treatment	Transitions			Transversions				
	GC → AT	AT → GC	Sum	GC → CG	GC → TA	AT → TA	AT → CG	Sum
EMS	227,248 (89.89%)	6,645 (2.63%)	233,893 (92.51%)	1,001 (0.40%)	2,959 (1.17%)	12,274 (4.85%)	2,691 (1.06%)	18,925 (7.49%)
ENU	29,467 (44.67%)	14,247 (21.60%)	43,714 (66.27%)	373 (0.57%)	1,178 (1.79%)	13,427 (20.36%)	7,272 (11.02%)	22,250 (33.73%)
EMS/ENU	400,938 (78.12%)	35,328 (6.88%)	436,266 (85.01%)	1,835 (0.36%)	5,650 (1.10%)	48,652 (9.48%)	20,815 (4.06%)	76,952 (14.99%)
TMP	34 (7.98%)	66 (15.49%)	100 (23.47%)	10 (2.35%)	19 (4.46%)	206 (48.36%)	91 (21.36%)	326 (76.53%)
Mutagenized Strains	652,814 (78.96%)	56,131 (6.79%)	708,945 (85.74%)	3,160 (0.38%)	9,657 (1.17%)	74,244 (8.98%)	30,804 (3.73%)	117,865 (14.26%)
Wild Isolates	181,653 (28.81%)	163,605 (25.95%)	345,258 (54.76%)	32,530 (5.16%)	69,614 (11.04%)	122,351 (19.40%)	60,788 (9.64%)	285,283 (45.24%)
Total	830,655 (57.20%)	219,564 (15.12%)	1,050,219 (72.32%)	35,673 (2.46%)	79,233 (5.46%)	195,457 (13.46%)	91,544 (6.30%)	401,907 (27.68%)