

**Table S2:** Efficiencies of long donor integration. Lengths (in bp) refer to length of homology arms.

Hybrid type refers to illustrations in Figure 3 A and B.

Locus	Donor type	F1 rollers	
		Screened	GFP/mCherry+
<i>gcna-1</i>	120bp blunt	26	1 (3.85%)
	60bp hybrid B	24	4 (16.67%)
	120bp hybrid A	24	5 (20.83%)
	120 hybrid B	48	12 (25.0%)
<i>dvc-1</i>	120bp blunt	43	1 (2.33%)
	60bp hybrid B	19	0 (0%)
	120bp hybrid A	24	4 (16.67%)
	120 hybrid B	28	5 (17.86%)
<i>top-2</i>	120bp blunt	23	1 (4.35%)
	60bp hybrid B	32	1 (3.13%)
	120bp hybrid A	24	2 (8.33%)
	120 hybrid B	25	7 (28.0%)