

**Table S3. Overexpression of Notch or Fringe bypasses *spdo* function during the asymmetric division of *Svp-lacZ*<sup>+</sup> precursors to produce sibling *Svp-lacZ*<sup>+</sup> pericardial cells ('A') and cardioblasts ('B')**

Genotype	Temp.	Asymmetric divisions (A, B) %	Symmetric divisions (B, B) %	Symmetric divisions (A, A) %	<i>N</i>	<i>n</i>
Wild type*	25	100	0	0	47	1001
	18	100	0	0	49	945
<i>spdo</i> <sup>G104/ZZZ7</sup>	25	13.5	86.5	0	27	459
	18	57.4	41.9	0.8	26	488
<i>spdo</i> <sup>AC81/ZZZ7</sup>	25	25.6	74.4	0	29	548
	18	64.0	30.5	5.6	42	827
<i>numb</i> <sup>2</sup>	25	0.9	0	99.1	20	229
<i>o/e</i> <sup>†</sup> GFP	25	99.8	0.1	0.1	53	848
<i>o/e</i> GFP; <i>spdo</i> <sup>-‡</sup>	25	56.6	39.6	3.8	44	875
<i>o/e</i> Spdo	25	99.8	0.1	0.1	53	829
<i>o/e</i> Spdo; <i>spdo</i> <sup>-</sup>	25	98.8	0.8	0.4	50	843
<i>o/e</i> Notch	25	94.0	0	6.0	51	949
	18	89.4	0	10.6	49	881
<i>o/e</i> Notch; <i>spdo</i> <sup>-</sup>	25	55.9	21.3	22.7	52	942
	18	34.9	1.6	63.6	56	835
<i>o/e</i> Fringe	25	14.2	0	85.8	47	910
	18	25.4	0	74.6	65	843
<i>o/e</i> Fringe; <i>spdo</i> <sup>-</sup>	25	2.0	0	98.0	47	895
	18	2.7	0	97.3	63	803
<i>o/e</i> Delta	25	99.4	0.36	0.24	54	838
<i>o/e</i> Delta; <i>spdo</i> <sup>-</sup>	25	40.9	58.6	0.5	50	856
	18	66.1	26.4	7.5	28	570
<i>o/e</i> Neur	25	98.7	1.3	0	55	875
<i>o/e</i> Neur; <i>spdo</i> <sup>-</sup>	25	62.5	31.9	5.6	49	834
	18	68.0	9.0	23.1	20	490
<i>o/e</i> Neur, Delta	25	99.0	0.6	0.4	46	977
<i>o/e</i> Neur, DI; <i>spdo</i> <sup>-</sup>	25	68.2	24.9	7.0	44	848
<i>o/e</i> Sec15	25	99.7	0	0.3	28	291
<i>o/e</i> Sec15; <i>spdo</i> <sup>-</sup>	25	32.1	67.6	0.3	63	1279

\*Wild type refers to *twist-Gal4/+; UAS-GFP/+; Svp-lacZ/+*.

<sup>†</sup>*o/e* refers to *twist-GAL4*-mediated overexpression of the indicated gene.

<sup>‡</sup>*spdo*<sup>-</sup> refers to *spdo*<sup>G104/Svp-lacZ spdo</sup><sup>ZZZ7</sup> mutant embryos.

*N*, number of embryos scored; *n*, number of precursor divisions scored.