

Table S1: *Drosophila* mRNA vs. protein expression: boundary shifts. This table shows shifts in boundary positions from a starting point at T1, or, from the earliest appearance of the boundary domain. Numbers are in % A–P position. mRNA expression is shown in black, protein expression in grey. (-) indicates a shift to the anterior (+) a shift to the posterior. *Drosophila* values are calculated from [1]. Single dashes indicate boundaries that are not present at a given time point. Double dashes indicate boundaries that are observable, but were not measured in [1].

Domain	<i>hb</i> ant	<i>gt</i> anterior		<i>Kr</i> central		<i>kni</i> abdominal		<i>gt</i> posterior		<i>hb</i> posterior	
Boundary	P	A	P	A	P	A	P	A	P	A	P
Time class											
T1	43.8 45.9	20.7 16.9	39.3 38.0	45.3 44.3	57.8 62.4	56.5 58.8	70.1 74.0	69.8 72.7	82.2 90.1	85.0 --	- -
T2	+0.6 -0.9	-0.7 +1.5	-1.1 -0.1	-1.0 -0.5	-0.5 -1.1	+1.4 -0.2	0.0 -2.6	0.0 -1.7	-2.8 -4.1	-3.8 --	89.7 --
T3	+1.3 -0.1	-2.0 +1.3	-1.5 0	+0.2 -0.1	+2.0 -2.2	+1.5 +0.2	-0.1 -3.3	-2.3 -3.4	-5.3 -7.8	-3.9 80.7	-2.9 93.0
T4	+3.2 +1.3	-2.5 +1.1	-1.6 +0.1	-1.3 -0.1	0.0 -2.3	+0.4 0.0	-3.0 -4.2	-2.8 -4.0	-5.2 -10.3	-6.1 -0.5	-4.2 -0.6
T5	+2.1 +0.9	-2.4 +1.2	-1.6 +0.3	-1.4 -0.4	-1.1 -2.8	-0.5 +0.4	-4.1 -4.6	-3.0 -4.7	-5.7 -11.6	-8.1 -1.2	-4.5 -1.7
T6	+2.0 +1.3	-1.9 +0.6	-2.0 -0.1	-1.8 -0.7	-1.4 -3.2	-2.0 -0.4	-5.3 -5.0	-4.2 -5.4	-7.1 -12.6	-10.0 -1.0	-5.6 -2.0
T7	+2.0 +1.2	-1.0 -1.6	-1.7 -0.4	-2.3 -1.1	-5.3 -4.5	-2.0 -0.9	-7.1 -5.7	-5.3 -5.9	-10.1 -13.7	-9.4 -1.4	-6.1 -3.5
T8	+1.2 +0.9	-0.2 +1.7	-2.1 -0.1	-2.6 -1.0	-5.3 -5.2	+1.8 -1.6	-6.5 -6.3	-4.5 -6.4	-9.4 -15.2	-9.5 -2.0	-6.4 -4.1

[1] Surkova S, Kosman D, Kozlov K, Manu, Myasnikova E, et al. (2008) Characterization of the *Drosophila* segment determination morphome. Dev Biol 313: 844-862