

Table S1. Previously identified early *T. castaneum* developmental gene expression results.

Gene (Symbol)	Gene ID	Previous Reported Expression Stage	Reference	Unfertilized Egg Microarray Expression	Fertilized Egg Microarray Expression
<i>hunchback (hb)</i>	TC013553	maternal	[1]	Yes	Yes
<i>caudal (cad)</i>	TC007576	maternal	[2]	Yes	Yes
<i>dorsal (Dl)</i>	TC007697	maternal	[3]	Yes	Yes
<i>zerknüllt (zen)</i>	TC000921	maternal	[4]	Yes	Yes
<i>torso (tor)</i>	TC009906	maternal	[5]	Yes	Yes
<i>orthodenticle-1 (otd1)</i>	TC003354	maternal	[6]	Yes	Yes
<i>eagle (Eg)</i>	TC003409	maternal	[7]	Yes	Yes
<i>pangolin (Pan)</i>	TC003728	maternal	[7]	Yes	Yes
<i>knirps (Kni)</i>	TC003413	blastoderm	[8]	No	Yes
<i>maxillopedia (mxp)</i>	TC000925	late blastoderm	[9]	No	Yes

References:

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