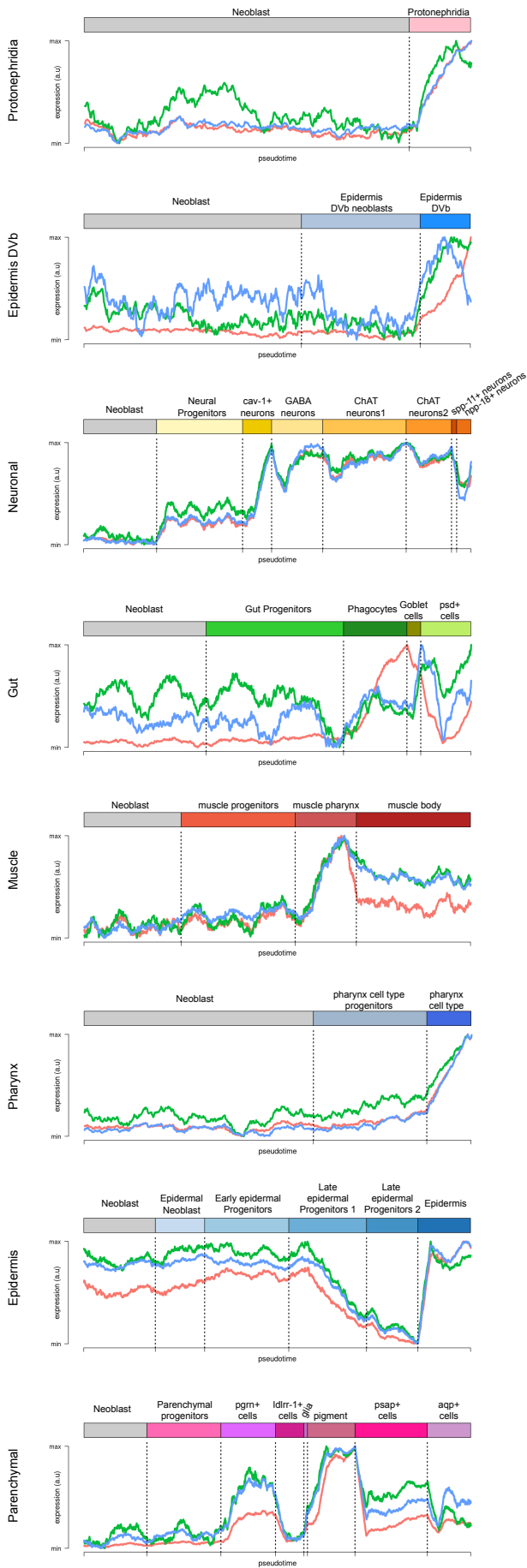
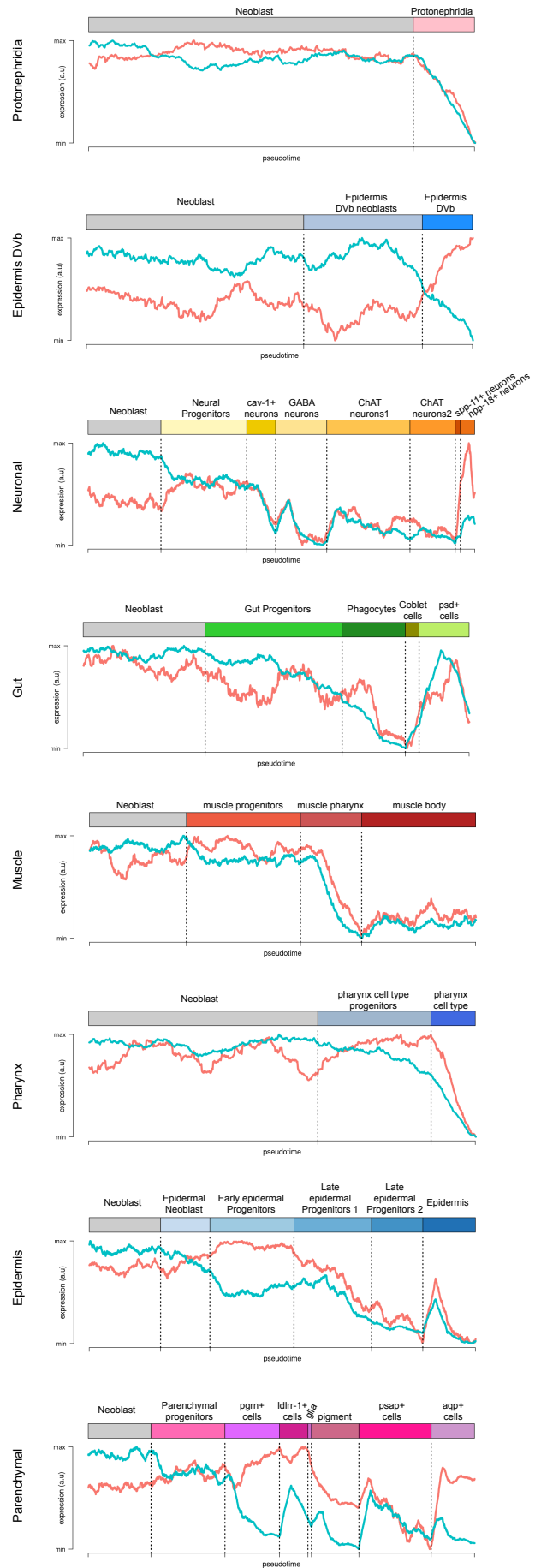


— *Smed-cbp-1*  
 — *Smed-cbp-2*  
 — *Smed-cbp-3*

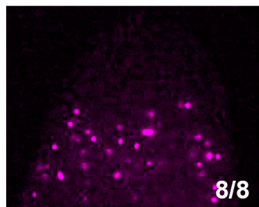
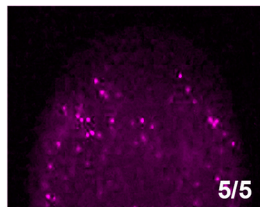
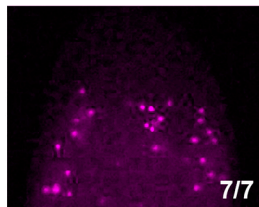
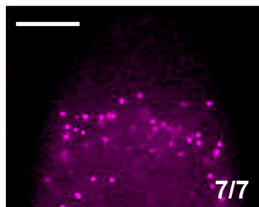
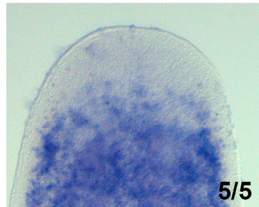
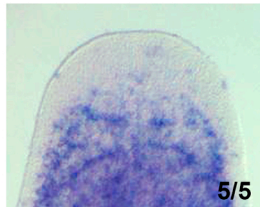
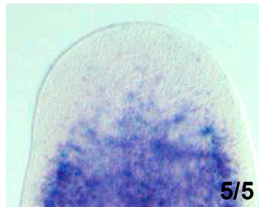
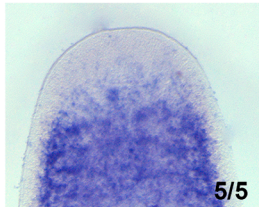


— *Smed-cbp-4*  
 — *Smed-cbp-5*

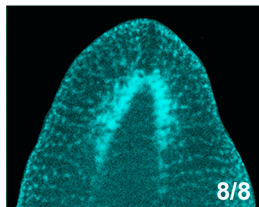
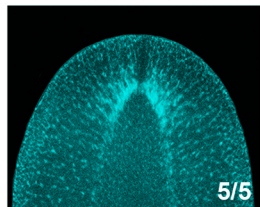
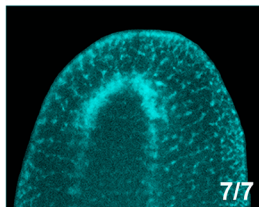
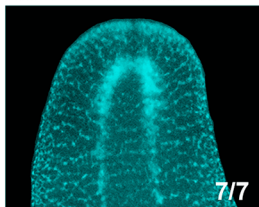
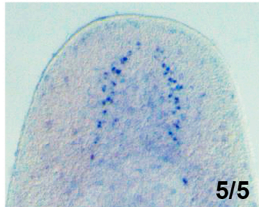
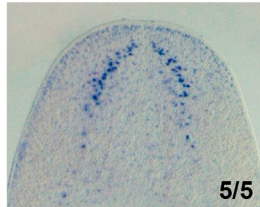
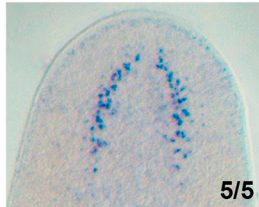
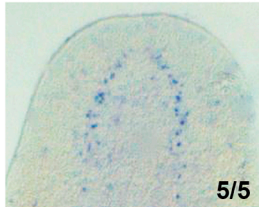


*gfp(RNAi)**Smed-cbp-1(RNAi)**Smed-cbp-4(RNAi)**Smed-cbp-5(RNAi)*

PH3

*Smedwi-1*

SYNAPSIN

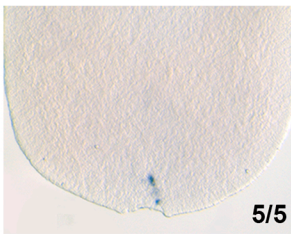
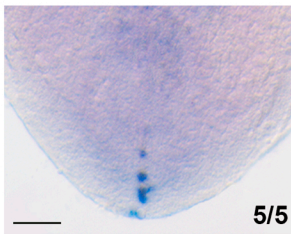
*Smed-th*



*gfp(RNAi)*

*cbp-2(RNAi)*

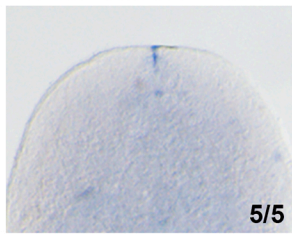
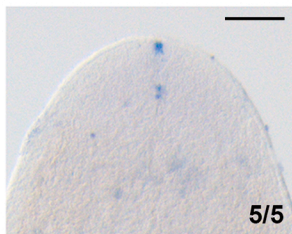
***Smed-wntP-1***

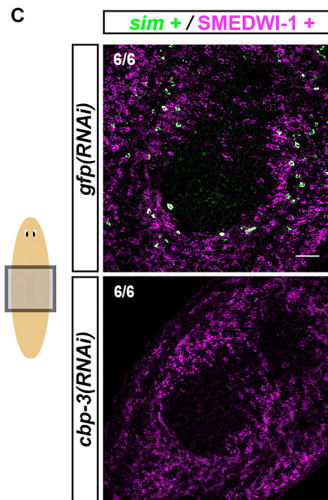
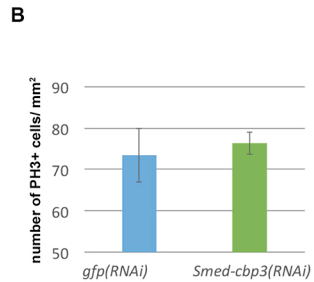
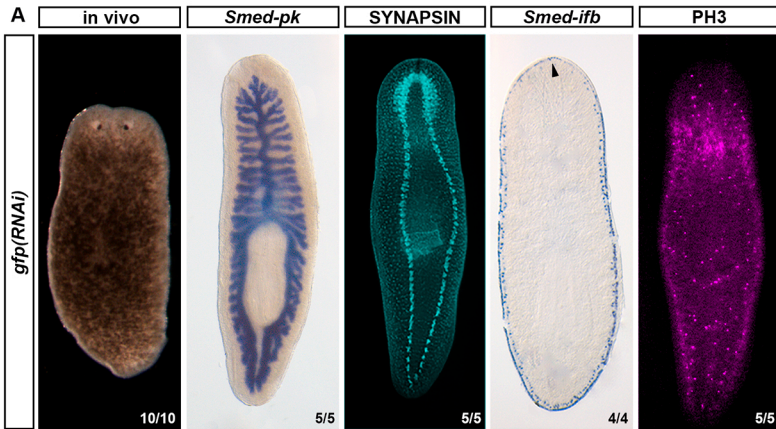


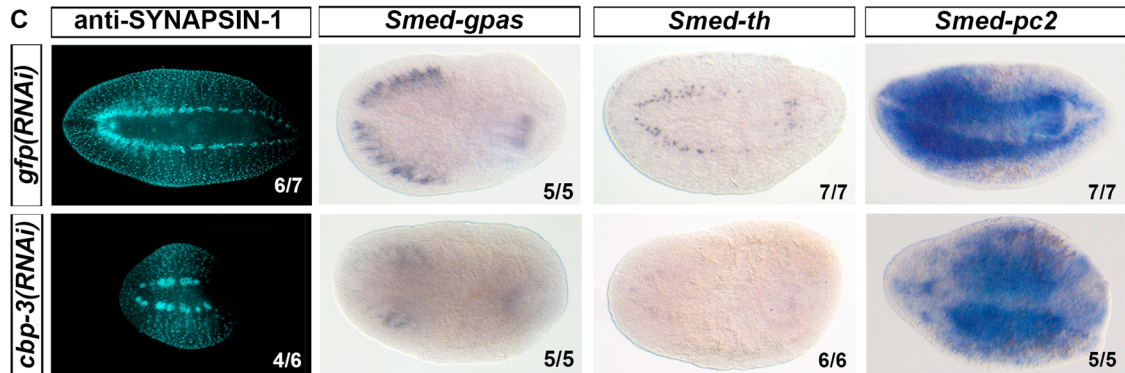
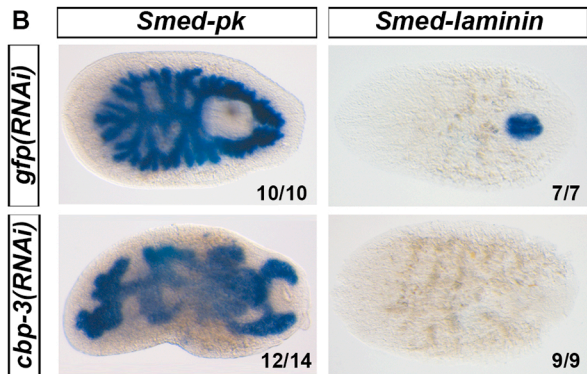
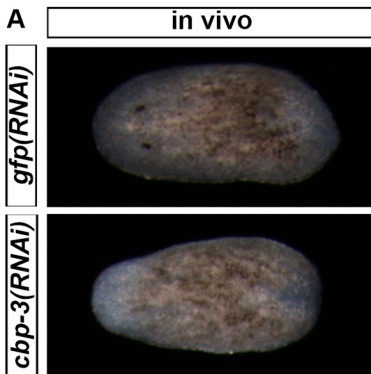
*gfp(RNAi)*

*cbp-2(RNAi)*

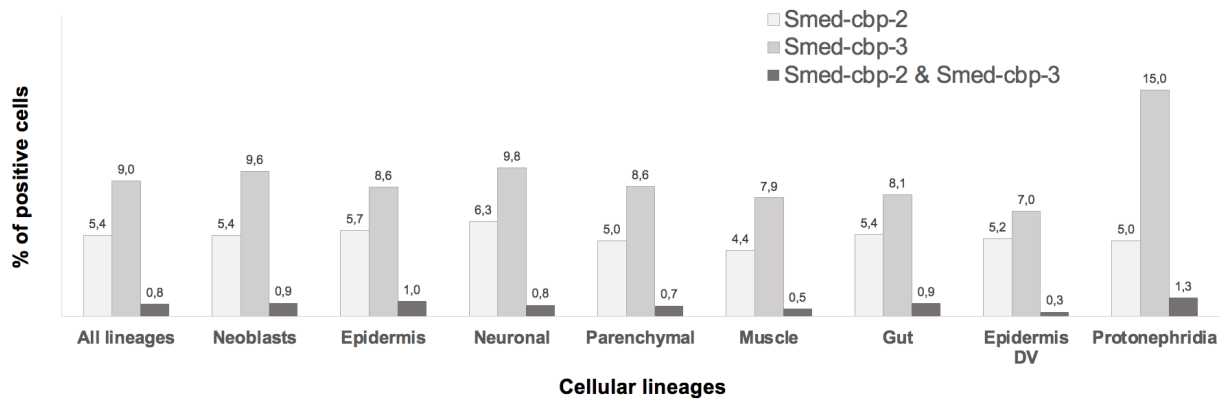
***Smed-notum***



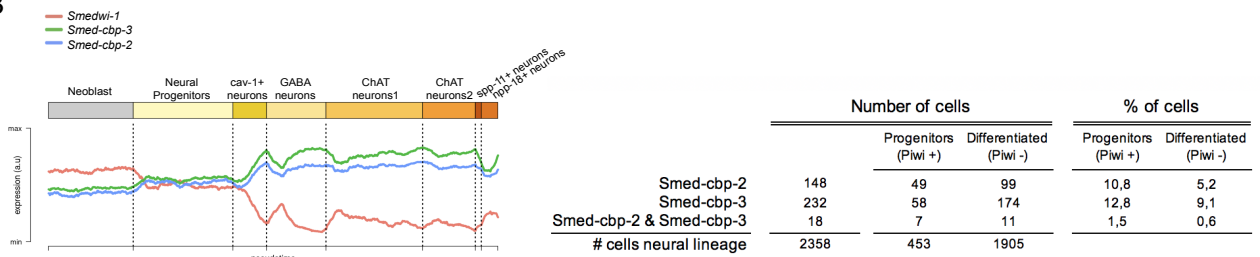




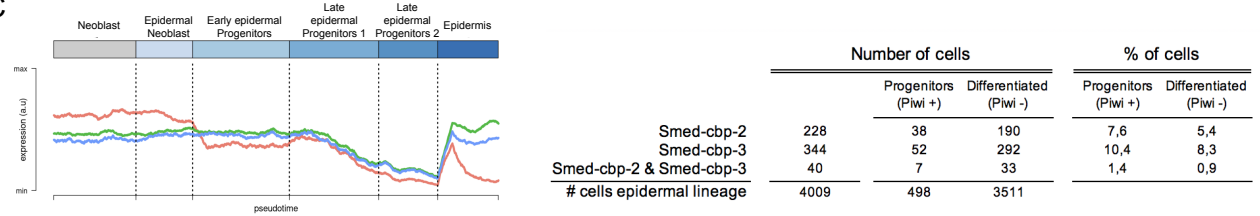
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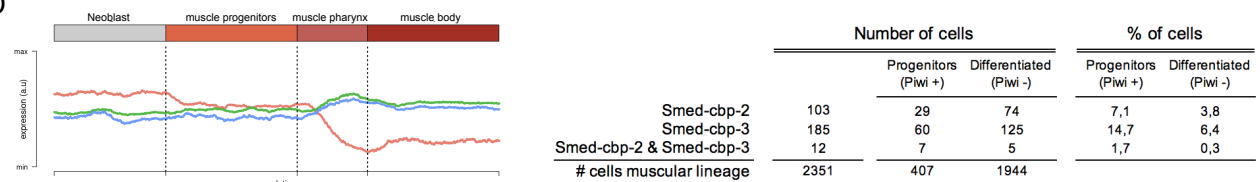
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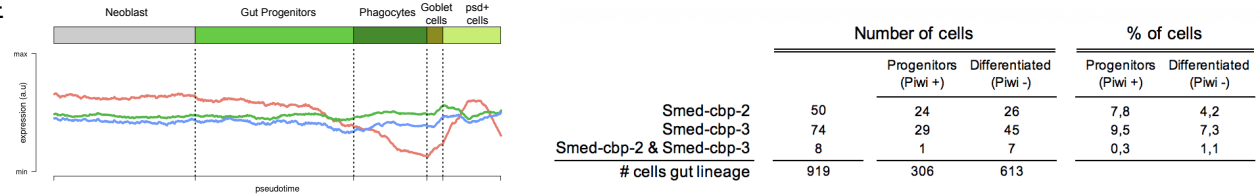
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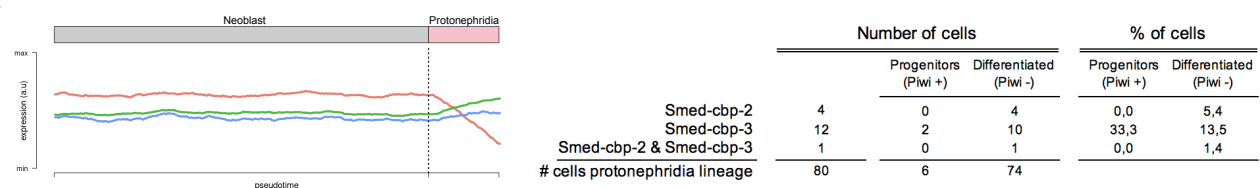
D



E



F



## Smed-CBP-2 Interactome

Human homologue	Planarian homologue	Confidence	Reference
<b>CDC27</b>	isotig22501	0.643	
<b>COPS2</b>	isotig15449	0.71	
<b>CPSF4</b>	isotig01551	0.656	
<b>CTNNB1 /βcatenin1</b>	isotig23001	0.874	Iglesias et al., 2008 Gurley et al., 2008
	isotig22585	0.83	Petersen and Reddien, 2008 Chai G et al., 2010 Sureda-Gomez et al., 2016 Su et al., 2017
	<b>EP300</b>	isotig22472	0.609
<b>ETS2</b>	isotig12474	0.831	He et al., 2017
	isotig12473	0.798	
<b>FHL2</b>	isotig25875	0.796	Wagner et al., 2012
	isotig15616	0.762	
	isotig21493	0.762	
	isotig13394	0.79	
<b>GLI3</b>	isotig22707	0.614	Rink et al., 2009
<b>HIPK2</b>	isotig21321	0.626	
<b>HOXB7</b>	isotig18915	0.61	Bayascas et al., 1997 Orii et al., 1999 Currie et al., 2016 Scimone et al., 2016 Tewari et al., 2019
	<b>HSF1</b>	isotig25963	0.833
	isotig09567	0.791	
<b>HTT</b>	isotig14108	0.663	
<b>KAT2B</b>	isotig22939	0.891	
<b>KAT5</b>	isotig09000	0.814	
<b>KAT6A</b>	isotig23440	0.775	
<b>KLF1</b>	isotig20465	0.85	
<b>NCOR1</b>	isotig23154	0.873	
<b>NFX1</b>	isotig13021	0.613	Rodriguez-Esteban et al., 2015
<b>NFYA</b>	isotig24638	0.86	Iyer et al., 2016 Rodriguez-Esteban et al., 2015
	isotig24612	0.816	
<b>NFYB</b>	isotig18238	0.878	Iyer et al., 2016 Rodriguez-Esteban et al., 2015
	isotig21277	0.82	
<b>ONECUT1</b>	isotig25733	0.645	
	isotig22450	0.608	
<b>PIAS3</b>	isotig22235	0.608	
	isotig01445	0.608	
<b>POU2F3</b>	isotig21518	0.774	
<b>PPP2R5E</b>	isotig14006	0.623	
<b>SETD1A</b>	isotig19076	0.786	Duncan et al., 2015 Hubert et al., 2013
<b>SMAD3</b>	isotig13864	0.612	Roberts-Galbraith et al., 2013
<b>SMAD4</b>	isotig25984	0.831	Reddien et al., 2007
<b>SMARCA2 / BAF190</b>	isotig22778	0.755	Trost et al., 2018
<b>SMARCB1</b>	isotig11019	0.608	Rouhana et al., 2017
<b>SND1</b>	isotig13514	0.805	
<b>TDG</b>	isotig23364	0.604	
<b>TGS1</b>	isotig07164	0.782	
	isotig11458	0.755	
	isotig11459	0.738	
<b>TP73 / p53</b>	isotig17795	0.643	Pearson and Sanchez-Alvarado, 2010
<b>TRIP4</b>	isotig23604	0.886	
<b>UBC</b>	isotig00999	0.66	
<b>YY1</b>	isotig14820	0.607	

## Smed-CBP-3 Interactome

Human homologue	Planarian homologue	Confidence	Reference
<b>ASF1B</b>	dd_Smed_v6_5120_0_1	0.78	
<b>BRPF1</b>	dd_Smed_v6_9528_0_1	0.6	
<b>CDC27</b>	dd_Smed_v6_7556_0_1	0.687	
<b>COPS2</b>	dd_Smed_v6_4989_0_1	0.716	
<b>CPSF4</b>	dd_Smed_v6_4069_0_1	0.678	
	dd_Smed_v6_24321_0_1	0.657	
<b>CTBP1</b>	dd_Smed_v6_43551_0_1	0.692	
	dd_Smed_v6_25893_0_1	0.692	
<b>CTNNB1 /βcatenin1</b>	dd_Smed_v6_2688_0_1	0.87	Iglesias et al., 2008 Gurley et al., 2008 Petersen and Reddien, 2008 Chai G et al., 2010 Sureda-Gomez et al., 2016 Su et al., 2017
	dd_Smed_v6_4850_0_1	0.847	
	dd_Smed_v6_9667_0_1	0.776	
<b>DYRK1B</b>	dd_Smed_v6_3773_0_1	0.617	
<b>ETS2</b>	dd_Smed_v6_6670_0_1	0.803	He et al., 2017
	dd_Smed_v6_2092_0_1	0.851	
<b>FHL2</b>	dd_Smed_v6_5037_0_1	0.839	Wagner et al., 2012
	dd_Smed_v6_5014_0_1	0.838	
	dd_Smed_v6_5854_0_1	0.805	
	dd_Smed_v6_2771_0_1	0.805	
<b>FOXO4</b>	dd_Smed_v6_3040_0_1	0.608	
<b>HIPK2</b>	dd_Smed_v6_7724_0_1	0.607	
<b>HOXB7</b>	dd_Smed_v6_22524_0_1	0.677	Bayascas et al., 1997 Orii et al., 1999 Currie et al., 2016 Scimone et al., 2016 Tewari et al., 2019
	dd_Smed_v6_16227_0_1	0.658	
<b>HSF1</b>	dd_Smed_v6_7535_0_1	0.825	
	dd_Smed_v6_9099_0_2	0.776	
<b>HTT</b>	dd_Smed_v6_3049_0_1	0.668	
<b>KAT2B</b>	dd_Smed_v6_11453_0_1	0.853	
<b>KAT5</b>	dd_Smed_v6_12274_0_1	0.786	
	dd_Smed_v6_4706_1_1	0.811	
<b>MSX1</b>	dd_Smed_v6_18505_0_1	0.603	Mannini et al., 2008
<b>NCOR1</b>	dd_Smed_v6_7709_0_1	0.792	
<b>NEUROG1</b>	dd_Smed_v6_9906_0_1	0.646	Cowles et al., 2013 Monjo and Romero, 2015
	dd_Smed_v6_26877_0_1	0.646	
<b>NFYA</b>	dd_Smed_v6_4860_0_1	0.867	Iyer et al., 2016 Rodriguez-Esteban et al., 2015
	dd_Smed_v6_18122_0_1	0.839	
<b>NFYB</b>	dd_Smed_v6_8585_0_1	0.82	
<b>NFYB</b>	dd_Smed_v6_5828_0_1	0.809	Iyer et al., 2016 Rodriguez-Esteban et al., 2015
	dd_Smed_v6_16472_0_1	0.731	
<b>ONECUT1</b>	dd_Smed_v6_25197_0_1	0.672	
	dd_Smed_v6_7877_0_1	0.672	
<b>PSMC5</b>	dd_Smed_v6_1176_0_1	0.608	
<b>RUNX1</b>	dd_Smed_v6_3565_0_2	0.651	Sandmann et al., 2011 Wenemoser et al., 2012 Dong et al., 2018
<b>SETD1A</b>	dd_Smed_v6_9988_0_1	0.753	Duncan et al., 2015 Hubert et al., 2013
<b>SMAD2</b>	dd_Smed_v6_8193_0_1	0.673	Roberts-Galbraith et al., 2013
<b>SMAD4</b>	dd_Smed_v6_1923_0_1	0.832	Reddien et al., 2007
	dd_Smed_v6_19757_0_1	0.774	
<b>SMARCA2 / BAF190</b>	dd_Smed_v6_16980_0_1	0.748	Trost et al., 2018
<b>SND1</b>	dd_Smed_v6_906_0_1	0.752	
<b>SRCAP</b>	dd_Smed_v6_8618_0_1	0.935	
	dd_Smed_v6_12273_0_1	0.904	
	dd_Smed_v6_14019_0_1	0.886	
<b>TGS1</b>	dd_Smed_v6_11559_0_1	0.761	
	dd_Smed_v6_9949_0_1	0.734	
<b>TP73 / p53</b>	dd_Smed_v6_5563_0_1	0.698	Pearson and Sanchez-Alvarado, 2010
<b>TRIP4</b>	dd_Smed_v6_9211_0_1	0.889	
<b>UBE2D1</b>	dd_Smed_v6_6773_0_1	0.705	
<b>YY1</b>	dd_Smed_v6_10092_0_1	0.61	