

Supplementary Table 5. Placode-cell derived neurons show no change in cell death and cell division upon perturbation of Annexin A6.

					Knockdown TUNEL					
					Control MO		Annexin A6 MO			
<u>Ganglion</u>	<u>Section #</u>	<u>Number of electroporated (EP) neurons</u>	<u>Number of TUNEL-positive EP neurons</u>	<u>Number of TUNEL-positive non-EP cells</u>	<u>Ganglion</u>	<u>Section #</u>	<u>Number of electroporated (EP) neurons</u>	<u>Number of TUNEL-positive EP neurons</u>	<u>Number of TUNEL-positive non-EP cells</u>	
1	1	40	0	9	1	1	6	0	3	
	2	39	0	12		2	9	0	4	
	3	45	0	8		3	8	0	5	
	4	34	0	10		4	5	0	6	
	5	36	1	12		5	9	0	7	
	6	55	0	15						
2					2	1	40	1	15	
	1	3	0	8		2	46	0	14	
	2	10	1	12		3	30	1	14	
	3	9	0	13		4	30	0	17	
	4	10	0	7		5	38	1	19	
	5	13	0	5		6	35	0	20	
	6	14	1	5						
	7	14	0	6	3	1	26	0	12	
						2	35	0	10	
						3	33	0	9	
3	1	38	0	28	4	4	35	0	8	
	2	35	1	25		5	40	0	5	
	3	36	0	26						
	4	30	1	20						
	5	39	0	19						
4					4	1	40	1	16	
	1	36	0	15		2	45	1	14	
	2	35	0	15		3	43	1	18	
	3	30	0	18	5	4	40	0	19	
	4	32	0	17		5	29	0	14	
	5	28	0	12						
	6	25	0	14						
					5	1	45	1	15	
						2	47	0	14	
						3	46	1	19	

5	1	5	0	8	4	45	1	25
	2	5	0	9	5	49	1	21
	3	6	0	7	6	40	0	22
	4	4	0	6				
	5	5	1	10				
	6	5	0	5				
Number of neurons examined		716	6	376		894	10	365
Percent of EP cells positive for TUNEL			0.838				1.12	
Standard Deviation			0.407				0.492	
SEM			0.166				0.156	
Unpaired student's t test			0.158					

Overexpression TUNEL

Ganglion	Section #	pCIG			Ganglion	Section #	pCIG-Annexin A6		
		Number of electroporated (EP) neurons	Number of TUNEL-positive EP neurons	Number of TUNEL-positive non-EP cells			Number of electroporated (EP) neurons	Number of TUNEL-positive EP neurons	Number of TUNEL-positive non-EP cells
1	1	17	0	5	1	1	10	0	3
	2	19	0	7		2	8	0	4
	3	19	0	7		3	9	0	7
	4	15	0	8		4	9	0	6
	5	19	0	6		5	7	0	8
2	1	23	0	19	2	1	9	0	7
	2	26	0	15		2	7	0	9
	3	23	0	20		3	10	0	5
	4	23	1	19		4	8	0	9
	5	22	0	8		5	9	0	8
	6					6	9	0	8
3	1	16	0	14	3	1	24	0	18
	2	16	0	8		2	22	0	14
	3	17	0	9					

	4	15	0	7		3	25	0	12
	5	18	0	10		4	24	0	13
						5	26	0	17
4	1	23	0	7					
	2	20	0	8	4	1	24	0	16
	3	22	0	5		2	21	0	10
	4	21	0	6		3	25	0	9
	5	22	0	3		4	20	0	9
						5	22	0	7
5	1	15	0	7					
	2	20	0	5	5	1	24	0	5
	3	21	0	4		2	25	0	4
	4	23	0	4		3	22	0	7
	5	19	0	6		4	23	0	8
	6	20	0	3		5	26	0	9
						6	25	0	5
Number of neurons examined		514	1	220			473	0	237
Percent of EP cells positive for TUNEL			0.195					0	
Standard Deviation			0.196						
SEM			0.196						
Unpaired student's t test			0.313						

Knockdown PH3

Control MO

Annexin A6 MO

<u>Ganglion</u>	<u>Section #</u>	<u>Number of electroporated (EP) neurons</u>	<u>Number of PH3-positive EP neurons</u>	<u>Number of PH3-positive non-EP cells</u>	<u>Ganglion</u>	<u>Section #</u>	<u>Number of electroporated (EP) neurons</u>	<u>Number of PH3-positive EP neurons</u>	<u>Number of PH3-positive non-EP cells</u>
1	1	22	0	9	1	1	9	0	9
	2	23	0	8		2	12	0	8
	3	20	0	15		3	12	0	5
	4	18	0	14		4	14	0	6
	5	23	1	10		5	14	0	3
2	1	23	0	18	2	1	30	1	12
	2	29	1	12		2	35	0	17
	3	30	0	13		3	25	1	12
	4	33	0	17		4	29	0	13
	5	35	0	25		5	27	1	16
	6	31	0	14		6	26	0	11
3	1	28	0	11	3	1	26	0	5
	2	26	1	14		2	21	0	8
	3	25	0	18		3	21	0	9
	4	24	1	15		4	20	0	8
	5	22	0	20		5	19	0	5
4	1	30	0	11	4	1	27	0	18
	2	30	0	9		2	28	1	15
	3	21	0	12		3	26	1	6
	4	25	0	14		4	35	0	9
	5	26	0	7		5	29	0	7
	6	28	0	13					
5					5	1	39	1	25
	1	10	0	7		2	39	0	25
	2	12	0	8		3	34	0	24
	3	13	0	9		4	40	0	21
	4	14	0	12		5	47	1	20

	5	15	1	7	6	40	0	22
Number of neurons examined	636	5	342		724	7	339	
Percent of EP cells positive for PH3		0.786				0.967		
Standard Deviation		0.396				0.447		
SEM		0.177				0.169		
Unpaired student's t test		0.522						

Overexpression PH3									
pCIG					pCIG-Annexin A6				
<u>Ganglion</u>	<u>Section #</u>	<u>Number of electroporated (EP) neurons</u>	<u>Number of PH3-positive EP neurons</u>	<u>Number of PH3-positive non-EP cells</u>	<u>Ganglion</u>	<u>Section #</u>	<u>Number of electroporated (EP) neurons</u>	<u>Number of PH3-positive EP neurons</u>	<u>Number of PH3-positive non-EP cells</u>
1	1	22	0	14	1	1	10	0	8
	2	23	0	12		2	18	0	7
	3	26	0	14		3	21	0	14
	4	28	0	17		4	14	0	12
	5	20	0	10		5	19	0	10
2	1	18	0	5	2	1	14	0	14
	2	16	0	4		2	15	0	16
	3	15	0	2		3	10	0	13
	4	14	1	6		4	8	0	11
	5	19	0	8		5	16	0	12
3	1	6	0	14	3	1	20	0	12
	2	8	0	12		2	21	0	11
	3	7	0	15		3	25	0	13
	4	9	0	14		4	22	0	13
	5	5	0	7		5	26	0	12
4	1	13	0	7					

	2	12	0	9	4	1	23	0	12
	3	14	0	5		2	22	0	11
	4	17	0	8		3	24	0	9
	5	20	0	7		4	26	0	9
						5	22	0	17
5	1	5	0	8					
	2	6	0	9	5	1	40	0	18
	3	9	0	6		2	36	0	19
	4	11	0	4		3	33	0	10
	5	12	0	6		4	26	0	13
	6	8	0	12		5	24	0	15
Number of neurons examined		363	1	235			546	0	322
Percent of EP cells positive for PH3			0.275					0	
Standard Deviation			0.196					0	
SEM			0.196						
Unpaired student's t test			0.322						