

**Table S6. Data for Fig. 4B**

Run	Treatment		E0	E90	E180	Einf	Esp	Viscosity
1	Without neural plate	Mean	104.4	44.1	33.0	31.7	52.2	3.2E+003
		<i>n</i>	9	9	9	9	9	9
		s.d.	25.9	11.8	10.6	11.4	17.7	1.4E+003
	Control	Mean	163.5	65.1	39.8	32.0	99.0	7.9E+003
		<i>n</i>	9	9	9	9	9	9
		s.d.	34.6	13.6	7.9	6.6	24.0	2.5E+003
2	Without neural plate	Mean	183.1	102.6	94.1	93.7	56.4	2.6E+003
		<i>n</i>	7	7	7	7	7	7
		s.d.	28.4	18.9	18.9	19.8	19.4	8.6E+002
	Control	Mean	127.1	64.2	52.6	51.2	52.3	3.2E+003
		<i>n</i>	8	8	8	8	8	8
		s.d.	27.1	13.7	10.8	10.5	15.8	1.5E+003
3	Without neural plate	Mean	111.4	54.4	49.4	48.8	40.1	1.8E+003
		<i>n</i>	9	9	9	9	9	9
		s.d.	22.2	12.1	10.1	10.1	10.1	1.1E+003
	Control	Mean	119.6	58.8	47.5	46.3	51.8	3.1E+003
		<i>n</i>	9	9	9	9	9	9
		s.d.	22.1	19.1	15.5	16.5	13.3	2.6E+003
4	Without neural plate	Mean	94.2	57.7	53.6	48.5	33.7	2.9E+003
		<i>n</i>	9	9	9	9	9	9
		s.d.	35.4	23.2	19.3	18.6	27.0	6.8E+003
	Control	Mean	117.7	50.0	36.9	32.7	63.1	4.3E+003
		<i>n</i>	8	8	8	8	8	8
		s.d.	19.7	12.7	10.1	9.9	12.6	2.4E+003
5	Without neural plate	Mean	118.2	69.3	62.0	59.8	37.4	2.5E+003
		<i>n</i>	7	7	7	7	7	7
		s.d.	20.6	15.8	14.8	14.5	11.6	1.8E+003
	Control	Mean	113.5	55.1	44.5	42.4	52.3	3.2E+003
		<i>n</i>	8	8	8	8	8	8
		s.d.	13.5	8.0	6.8	7.2	11.9	1.1E+003