RNAi Dj-Inx	Phenotype intact	Phenotype regeneration	Ectopic head?	A/P polarity problems	fissioning	Behavioral phenotype	Comments on phenotype	n=
Dj-Inx-2	--	--	--	--	--	--	--	20
Dj-Inx-3	--	--	--	--	--	--	--	10
Dj-Inx-4	--	--	--	--	--	--	--	20
Dj-Inx-5	--	--	--	--	--	--	--	10
Dj-Inx-12	--	--	--	--	--	--	--	17
Dj-Inx-13	--	--	--	--	--	--	--	18
Dj-Inx-2 + 4	--	--	--	--	--	--	--	10
Dj-Inx-2 + 5	--	--	--	--	--	--	--	10
Dj-Inx-2 + 12	--	--	--	--	--	--	--	10
Dj-Inx-2 + 13	--	--	--	--	--	--	--	20
Dj-Inx-3 + 4	--	--	--	--	--	--	--	10
Dj-Inx-3 + 5	--	--	--	--	--	--	--	20
Dj-Inx-3 + 12	--	**X**	**~12%**	--	**~60%**	--	Head regenerating fragments from fissionning developed additional head in anterior end	10
Dj-Inx-3 + 13	--	--	--		--	--	--	20
Dj-Inx-4 + 13	--	**X**	**~5%**	--	--	--	--	38
Dj-Inx-5 + 12	--	**X**	**~7%**	**~7%**	--	Animals with slow movements and ruffled edges	--	30
Dj-Inx-5 + 13	**X**	--	--	--	--	Animals with slow movements and ruffled edges	In some cases head lyses but regenerated back normally	10
Dj-Inx-8 + 9	--	--	--	--	--	--	--	50
Dj-Inx-12 + 13	--	--	--	--	--	--	--	20
Dj-Inx-5 + 12; 2	**X**	--	--	--	--	Animals showed random contractions while gliding	--	10
Dj-Inx-5 + 12; 3	**X**	--	**~10%**	**~5%**	**~35%**	--	Ectopic head developed in prepharyngeal area around the injection site (tissue damage response)	20
Dj-Inx-5 + 12; 13	**X**	--	--	--	**~40%**	Motility problems and animals showed random contractions while gliding	Intact animals (~10%) developed a constriction around the injection area. Interestingly some of these animals have VNC disrupted as confirmed by immunostaining	20
Dj-Inx-5 + 13; 3	**X**	--	--	--	--	Animals showed random contractions while gliding	In all these worms (5/5) head lysed but regenerated back normally	5
Dj-Inx-5 + 13; 12	**X**	**X**	**~51%**	**~44%**	**~43%**	Most animals with motility problems, random contractions and gliding backwards	High mortality (~37%) mostly in small fragments resulting from fissioning	137
Dj-Inx-2 + 3; 4 + 13	--	--	--	--	--	Animals showed random contractions while gliding	Abnormal brain expansion along the A/P axis and cyclop worms can be observed after fissioning	15
Dj-Inx-5 + 12; 2 + 3	**X**	--	--	**~7%**	--	Animals showed random contractions while gliding		15
Dj-Inx-5 + 12; 2 + 4	--	--	--	--	--	--	--	10
Dj-Inx-5 + 12; 2 + 13	**X**	--	**~7%**	--	--	Animals with motility problems, random contractions and gliding backwards	Ectopic eye pigmentation around the pre-pharyngeal area	20
Dj-Inx-5 + 12; 3 + 13	**X**	--	--	--	--	Animals with random contractions while gliding	--	5
Dj-Inx-5 + 12; 4 + 13	**X**	--	--	--	--	Animals with random contractions while gliding	--	5
Dj-Inx-5 + 13; 3 + 12	**X**	--	--	--	--	Animals with random contractions while gliding	--	9
							Total	624