

Table S1. Analysis of heart tube location in αV morphants

Morpholino (MO)	mRNA	n_T	n_{exp}	Left	Right	Middle	Absent
Uninjected	–	597	8	85.5±3.0%	7.5±2.1%	7.0±2.5%	1.5±1.5%
2.50 ng control MO	–	567	9	83.8±3.8%	8.8±2.3%	6.9±1.5%	0.5±0.4%
2.50 ng $\alpha V1 miss$	–	118	3	75.2±12.0%	7.4±3.1%	17.4±9.2%	0%
None	200 pg $m\alpha V$	201	5	79.2±2.9%	6.3±1.1%	13.6±2.2%	0%
1.25 ng $\alpha V1$	–	569	9	47.6±4.0%	34.7±5.3%	15.8±3.0%	2.1±1.6%
1.25 ng $\alpha V1$	+ 200 pg $m\alpha V$	224	5	63.2±1.9%	8.8±4.0%	24.6±4.4%	3.2±2.1%
1.75 ng $\alpha V2$	–	269	7	52.2±4.1%	19.5±3.3%	27.8±6.1%	0.8±0.8%
1.75 ng $\alpha V2$	+ 200 pg $m\alpha V$	211	3	81.9±6.8%	3.5±2.0%	14.6±4.7%	0%

MOs and mRNAs were injected into 1- to 4-cell-stage wild-type embryos. Location of heart tube was examined with expression of *cmlc2* WISH at 26-28 hpf. Data were expressed as the number of embryos with a specific heart tube location divided by the total number of embryos used per experiment multiplied by 100 (%) \pm s.e.m. n_{exp} =number of experimental repeats. n_T =total number of embryos.