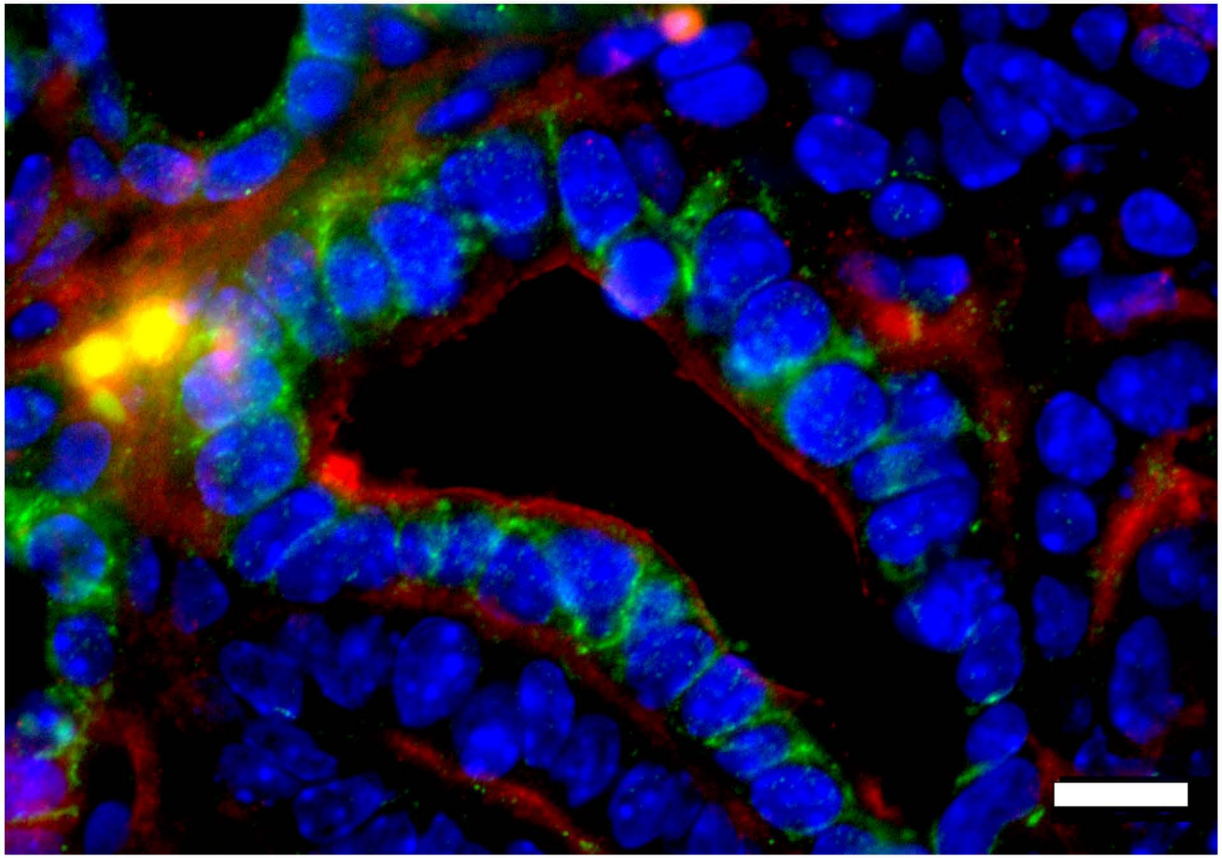
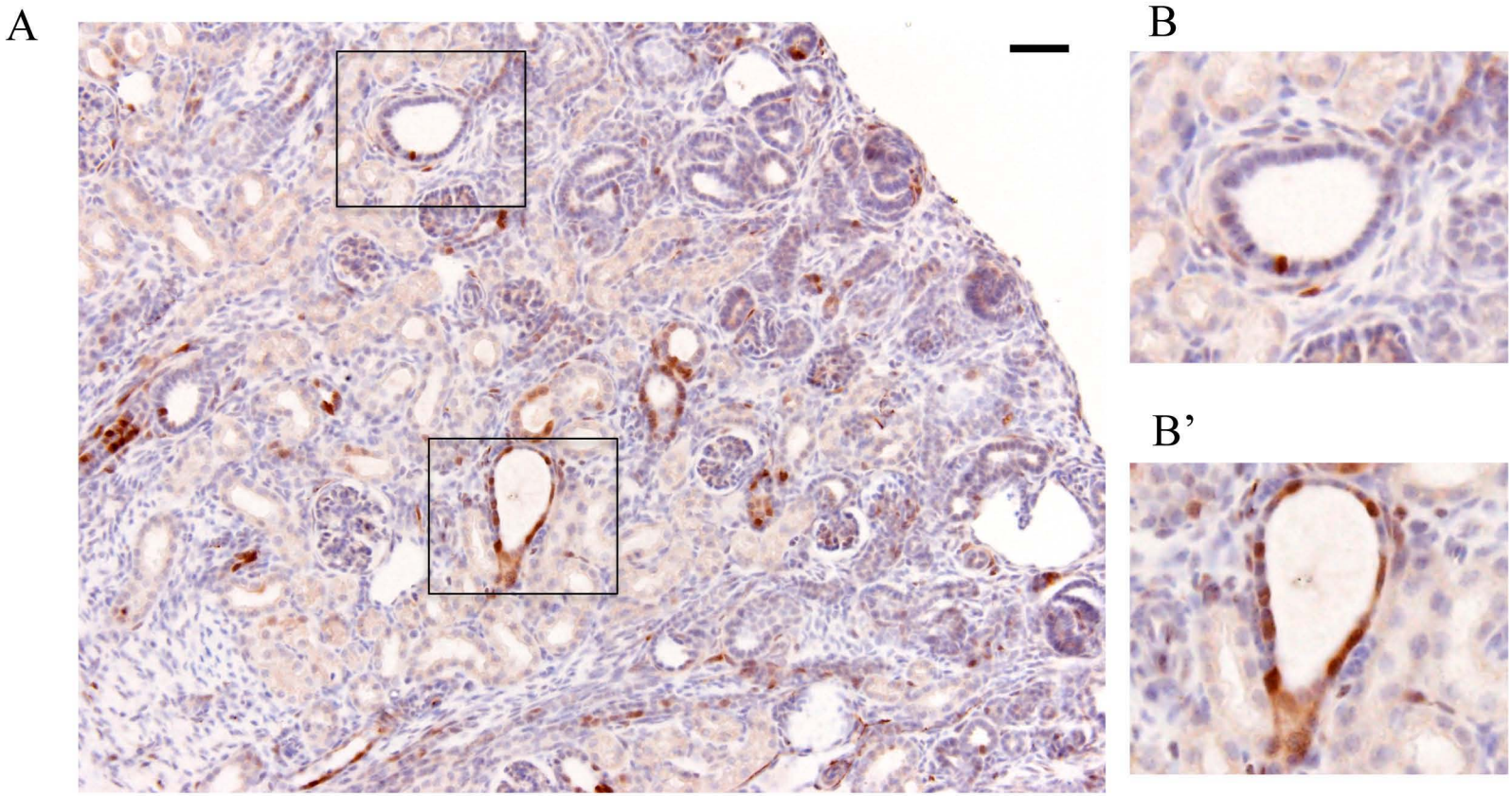


GP135/E-Cadherin/DAPI

Supplementary Figure 1



Supplementary Figure 2

Supplementary Table 1

	Trial	Wild-type		Abnormal		Total
		Number of embryos	%	Number of embryos	%	(N=1877)
Uninjected	1	49	92.5	4	7.5	53
	2	74	97.4	2	2.6	76
	3	49	94.2	3	5.8	52
	4	57	100.0	0	0.0	57
	5	53	100.0	0	0.0	53
	6	19	90.5	2	9.5	21
	7	25	100.0	0	0.0	25
	sub total	**326**	**96.4**	**11**	**3.6**	**337**
Injection controls	1	37	100.0	0	0.0	37
	2	55	96.5	2	3.5	57
	3	21	95.5	1	4.5	22
	4	36	92.3	3	7.7	39
	5	44	100.0	0	0.0	44
	6	26	100.0	0	0.0	26
	7	73	100.0	0	0.0	73
	sub total	**292**	**97.8**	**6**	**2.2**	**298**
1 ng cdc42 MO	1	31	100.0	0	0.0	31
	2	29	87.9	4	12.1	33
	sub total	**60**	**93.9**	**4**	**6.1**	**64**
2 ng cdc42MO	1	14	63.6	8	36.4	22
	2	27	81.8	6	18.2	33
	3	27	52.9	24	47.1	51
	4	20	60.6	13	39.4	33
	5	7	20.6	27	79.4	34
	sub total	**95**	**55.9**	**78**	**44.1**	**173**
3 ng cdc42MO	1	25	69.4	11	30.6	36
	2	22	30.1	51	69.9	73
	3	5	16.7	25	83.3	30
	4	25	46.3	29	53.7	54
	5	6	9.7	56	90.3	62
	6	20	21.7	72	78.3	92
	7	7	11.1	56	88.9	63
	sub total	**110**	**29.3**	**300**	**70.7**	**410**
7.5ng sec10e2i2 MO	1	30	100.0	0	0.0	30
	2	56	100.0	0	0.0	56
	3	31	91.2	3	8.8	34
	4	36	100.0	0	0.0	36
	sub total	**153**	**97.8**	**3**	**2.2**	**156**
1ng cdc42 MO + 7.5ng sec10 MO	1	**22**	**73.3**	**8**	**26.7**	**30**
2ng cdc42 MO + 7.5ng sec10 MO	1	3	8.8	31	91.2	34
	2	20	29.9	47	70.1	67
	3	12	20.0	48	80.0	60
	4	17	29.3	41	70.7	58
	5	6	8.1	68	91.9	74
	6	17	21.5	62	78.5	79
	7	2	5.4	35	94.6	37
	sub total	**77**	**17.6**	**332**	**82.4**	**409**

Statistical Analyses	**Odds ratio [95% CI]**	***P* value**
1 ng cdc42MO vs. controls	3.24 [0.50 - 21.2]	p=0.22
2 ng cdc42MO vs. controls	40.0 [10.9 - 146.5]	p<0.001
3 ng cdc42MO vs. controls	132.7 [38.3 - 459.5]	p<0.001
7.5 ng sec10MO vs. controls	0.95 [0.11 - 8.61]	p=0.97
1 ng cdc42MO + 7.5 ng sec10MO vs. controls	17.7 [5.82 - 53.7]	p<0.001
2 ng cdc42MO + 7.5 ng sec10MO vs controls	209.8 [65.1 - 676.4]	p<0.001
1 ng cdc42MO + 7.5 ng sec10MO vs. 1 ng cdc42MO alone	5.45 [0.94 - 31.5]	p=0.058
2 ng cdc42MO + 7.5 ng sec10MO vs. 2 ng cdc42MO alone	5.3 [2.23 - 12.3]	p<0.001