

Supplementary Table 3A. Distribution of descendants of early dividing 2-cell and 4-cell blastomeres at the blastocyst stage - MM

Type	Name	Total cells	Total early	Total Embryonic	% Embryonic	Early in BZ	Early crossing BZ to Abembryonic	Total late	Total Abembryonic	% Abembryonic	Total 1/4 unlabeled blastomere	1/4 unlabeled blastomere in BZ	1/4 unlabeled crossing BZ to Embryonic	Total 1/4 labeled blastomere	1/4 labeled blastomere in BZ	Total BZ	% Early in BZ	% Late in BZ	% Late in BZ	Tit	
																					M1+M2+M3+M4
Embryonic - Abembryonic		3	21	15	87%	5	3	18	13	77%	8	5	2	10	1	0	11	45%	45%	9%	19
		2	17	14	86%	3	2	15	9	78%	8	3	0	7	3	2	9	33%	33%	33%	8
	Mean	35.5	19.0	14.5	86%	4.0	2.5	16.5	11.0	77%	8	4.0	1.0	8.5	2.0	1.0	10.0	39%	39%	21%	14
Embryonic - Abembryonic reversed		4	25	21	24%	7	13	25	16	19%	14	4	8	11	2	8	13	54%	31%	15%	32
Non Embryonic - Abembryonic		1	18	13	69%	4	5	15	11	55%	7	1	0	8	4	4	9	44%	11%	44%	89
		7	21	16	69%	4	6	16	11	45%	6	1	5	10	5	0	10	40%	10%	50%	90
		8	12	10	50%	3	4	10	6	33%	5	0	5	5	3	0	6	50%	0%	50%	87
		6	19	14	43%	5	8	15	11	27%	7	2	4	8	2	4	9	56%	22%	22%	65
	Mean	31.8	17.0	13.8	50%	4.0	6.0	14.8	9.5	37%	7	0.8	5.5	7.8	3.8	1.3	8.5	48%	8%	44%	83

Supplementary Table 3B. Distribution of descendants of late dividing 2-cell and 4-cell blastomeres at the blastocyst stage - MM

Type	Name	Total cells	Total late	Total Abembryonic	% Abembryonic	Late in BZ		Total Embryonic		% Embryonic	Total I/4 unlabeled blastomere	I/4 unlabeled blastomere in BZ	I/4 unlabeled crossing BZ to Abembryonic	Total I/4 labeled blastomere	I/4 labeled blastomere in BZ	I/4 labeled crossing BZ to Abembryonic	Total BZ	% Late in BZ		% Early in BZ		Tit
						M3+M4	M3+M4	M1+M2	M3+M4									M1	M1	M1	M2	
Embryonic- Abembryonic	1	27	12	9	67%	4	2	15	10	80%	6	2	3	9	2	0	8	50%	25%	25%	45	
	5	28	14	7	57%	5	5	14	13	62%	8	2	1	6	1	2	8	63%	25%	13%	88	
	3	47	20	16	31%	6	9	27	19	53%	13	5	8	14	1	3	12	50%	42%	8%	69	
	2	31	17	10	60%	4	7	14	14	50%	7	2	4	7	1	0	7	57%	29%	14%	84	
	4	29	16	9	67%	4	6	13	12	50%	6	3	3	7	1	0	8	50%	38%	13%	∴	
	Mean	33.8	16.8	10.5	54%	4.8	6.8	17.0	14.5	54%	8.5	3.0	4.0	8.5	1.0	1.3	8.8	55%	33%	12%	80.3	