

Supplementary Table SIII Associations* between fertilisation/embryonic timings and morphological embryonic features (PN position at time of juxtaposition and the timing of the first cleavage).

	n	Zygote/embryo event	Time (h) to event		P-value
			Mean \pm SD	Median (IQR)	
Position of PN juxtaposition					
Central	101	tPNjuxta	12.3 \pm 2.9	12.4 (10.5–14.4)	<0.001
Other	131		10.6 \pm 2.5	9.9 (8.9–11.9)	
First cleavage					
<26 h	181	tPB2	2.8 \pm 0.9	2.6 (2.2–3.2)	0.004
\geq 26 h	51		3.1 \pm 0.9	3.0 (2.6–3.5)	
<26 h	181	tPNf	21.3 \pm 1.4	21.4 (20.32–22.4)	<0.001
\geq 26 h	50		24.8 \pm 1.1	24.4 (24.1–25.4)	
<26 h	181	t2	23.7 \pm 1.4	23.8 (22.7–24.9)	<0.001
\geq 26 h	51		27.4 \pm 1.0	27.0 (26.5–28.0)	
<26 h	181	t3	35.4 \pm 2.6	35.5 (34.1–36.8)	<0.001
\geq 26 h	51		39.0 \pm 2.2	38.8 (38.2–43.8)	
<26 h	181	t4	36.3 \pm 2.7	36.4 (34.7–37.8)	<0.001
\geq 26 h	51		40.0 \pm 1.9	39.88 (38.8–41.2)	
<26 h	181	VP	13.9 \pm 2.1	14.1 (12.7–15.7)	<0.001
\geq 26 h	50		16.9 \pm 1.9	17.0 (15.8–18.4)	

*Only significant associations are presented ($P < 0.01$, Mann–Whitney test).

tPNjuxta, time for PN juxtaposition (hours); tPB2, time for PB2 emission; tPNf, time for PN fading; t2, time from insemination to divisions to two cells complete; t3, time from insemination to divisions to three cells complete; t4, time from insemination to divisions to four cells complete; VP, the time period in which the pronuclei are visible (tPNf–tPNa).