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Supplementary Material

Dynamics of Notch signalling in the mouse oviduct and uterus during the oestrous cycle

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	P4										
E2	r p	-0.091 0.727	E2								
<i>Notch1</i>	r p	-0.010 0.684	-0.071 0.787	<i>Notch1</i>							
<i>Notch2</i>	r p	0.231 0.356	-0.146 0.589	0.749 0.000	<i>Notch2</i>						
<i>Notch3</i>	r p	0.121 0.623	-0.136 0.602	0.847 0.00	0.792 0.000	<i>Notch3</i>					
<i>Notch4</i>	r p	0.180 0.460	0.025 0.925	0.314 0.178	0.321 0.180	0.580 0.007	<i>Notch4</i>				
<i>Dll1</i>	r p	0.060 0.808	0.221 0.394	0.177 0.457	0.189 0.439	0.246 0.296	0.448 0.048	<i>Dll1</i>			
<i>Dll4</i>	r p	0.309 0.197	-0.181 0.486	-0.297 0.204	-0.036 0.884	-0.077 0.747	-0.235 0.318	-0.092 0.701	<i>Dll4</i>		
<i>Jag1</i>	r p	0.457 0.049	-0.211 0.418	0.462 0.040	0.788 0.000	0.503 0.024	-0.010 0.967	0.092 0.701	0.344 0.138	<i>Jagged1</i>	
<i>Jag2</i>	r p	0.154 0.531	0.027 0.920	0.667 0.001	0.654 0.002	0.770 0.000	0.552 0.012	0.527 0.017	-0.220 0.351	0.265 0.258	<i>Jagged2</i>
<i>Hes1</i>	r p	0.191 0.433	-0.099 0.705	0.815 0.000	0.790 0.000	0.837 0.000	0.207 0.380	0.029 0.904	0.119 0.616	0.648 0.002	0.568 0.009
<i>Hes2</i>	r p	0.059 0.816	0.163 0.546	0.058 0.815	0.213 0.397	0.074 0.763	-0.062 0.780	-0.270 0.264	0.035 0.886	0.286 0.234	-0.135 0.580
<i>Hes5</i>	r p	-0.055 0.823	-0.068 0.794	0.784 0.000	0.568 0.011	0.694 0.000	0.388 0.091	0.599 0.005	-0.256 0.275	0.395 0.085	0.610 0.004
<i>Nrarp</i>	r p	0.131 0.603	-0.123 0.649	0.690 0.001	0.767 0.000	0.887 0.000	0.617 0.004	0.218 0.369	0.036 0.882	0.534 0.019	0.611 0.005
											0.753 0.005
											0.336 0.000
											0.473 0.173
											0.041

Fig. S1. Correlation between the transcription levels of Notch pathway components and effector genes, and plasma P4 and E2 concentrations in the oviduct. Significant associations in grey; r – Pearson's correlation coefficient; $p < 0.01$.

	P4										
E2	r p	-0.091 0.727	E2								
<i>Notch1</i>	r p	-0.313 0.237	-0.142 0.613	<i>Notch1</i>							
<i>Notch2</i>	r p	0.618 0.006	-0.173 0.523	-0.056 0.838	<i>Notch2</i>						
<i>Notch3</i>	r p	0.246 0.324	-0.345 0.191	0.008 0.977	0.604 0.008	<i>Notch3</i>					
<i>Notch4</i>	r p	0.932 0.00	-0.045 0.874	-0.044 0.877	0.496 0.043	0.213 0.396	<i>Notch4</i>				
<i>Dll1</i>	r p	-0.213 0.507	-0.063 0.854	0.939 0.000	-0.013 0.969	-0.248 0.462	-0.068 0.853	<i>Dll1</i>			
<i>Dll4</i>	r p	-0.076 0.765	-0.094 0.730	0.549 0.023	0.543 0.020	0.404 0.096	0.125 0.632	0.447 0.146	<i>Dll4</i>		
<i>Jag1</i>	r p	0.859 0.000	-0.081 0.765	-0.115 0.671	0.799 0.000	0.298 0.230	0.781 0.00	0.026 0.937	0.247 0.323	<i>Jagged1</i>	
<i>Jag2</i>	r p	0.344 0.149	-0.293 0.255	0.497 0.050	0.576 0.012	0.072 0.778	0.472 0.056	0.312 0.324	0.496 0.036	0.562 0.015	<i>Jagged2</i>
<i>Hes1</i>	r p	0.015 0.956	-0.215 0.441	0.524 0.037	0.539 0.026	-0.081 0.759	0.027 0.922	0.623 0.055	0.651 0.005	0.390 0.121	0.815 0.000
<i>Hes2</i>	r p	-0.208 0.495	-0.249 0.435	0.206 0.522	0.381 0.200	0.639 0.019	-0.348 0.243	-0.078 0.831	0.342 0.252	0.004 0.989	-0.001 0.998
<i>Hes5</i>	r p	-0.447 0.126	0.174 0.570	-0.450 0.165	-0.720 0.006	-0.388 0.213	-0.610 0.046	-0.401 0.251	-0.498 0.084	-0.556 0.048	-0.679 0.011
<i>Nrarp</i>	r p	0.242 0.319	-0.184 0.480	0.530 0.029	0.595 0.007	0.205 0.400	0.320 0.195	0.606 0.037	0.720 0.000	0.601 0.006	0.806 0.000

Fig. S2. Correlation between the transcription levels of Notch pathway components and effector genes, and plasma P4 and E2 concentrations in the uterus. Significant associations in grey; r – Pearson's correlation coefficient; $p < 0.01$.