

**Additional Table 1: Statistics for Figures 1 and 2**

| Item                                   | Data                                                                                                                                                                                                                |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Figure 1</b>                        |                                                                                                                                                                                                                     |
| Number of oocytes collected            | $P=0.4168$<br>$t=0.8367$ , $df=14$<br>95% confidence interval -0.5212 to 1.188<br>$R^2$ (partial eta squared)= 0.04762<br>Correlation coefficient ( $r$ )=0.3567                                                    |
| Number of embryos                      | $P=0.0236$<br>$t=2.667$ , $df=10$<br>95% confidence interval 0.1196 to 1.335<br>$R^2$ (partial eta squared)= 0.4156<br>Correlation coefficient ( $r$ )=0.3480                                                       |
| EMT                                    | $P=0.0341$<br>$t=2.367$ , $df=13$<br>95% confidence interval 0.1447 to 3.165<br>$R^2$ (partial eta squared)= 0.3012<br>Correlation coefficient ( $r$ )=0.2858                                                       |
| Peak E2                                | $P=0.6756$<br>$t=0.4310$ , $df=10$<br>95% confidence interval -216.5 to 320.4<br>$R^2$ (partial eta squared)= 0.01824<br>Correlation coefficient ( $r$ )=0.2658                                                     |
| <b>Figure 2</b>                        |                                                                                                                                                                                                                     |
| Steroidogenic acute regulatory protein | $P=0.4617$<br>$t=0.7655$ , $df=10$<br>Mean cells treated with OT 0.5525<br>Mean control cells 0.8684<br>95% confidence interval -0.6035 to 1.235<br>$R^2$ (eta squared)= 0.05535<br>$F=4.044$ , $DFn=5$ , $Dfd=5$   |
| 3 Beta-hydroxysteroid dehydrogenase    | $P=0.8551$<br>$t=0.1874$ , $df=10$<br>Mean cells treated with OT 0.5301<br>Mean control cells 0.5848<br>95% confidence interval -0.5956 to 0.7050<br>$R^2$ (eta squared)= 0.003498<br>$F=3.247$ , $DFn=5$ , $Dfd=5$ |
| Side-chain cleavage enzyme             | $P=0.0474$<br>$t=2.341$ , $df=8$                                                                                                                                                                                    |

CYP19A1

Mean cells treated with OT 0.5926

Mean control cells 0.2598

95% confidence interval -0.6608 to -0.004936

$R^2$  (eta squared)= 0.4065

$F=1.537$ ,  $DFn=4$ ,  $Dfd=4$

$P=0.0242$

$t=2.9752$ ,  $df=4$

Mean cells treated with OT 0.1961

Mean control cells 0.9218

95% confidence interval 1.340 to 2.792

$R^2$  (eta squared)= 0.1921

$F=26.11$ ,  $DFn=2$ ,  $Dfd=2$

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