

**SUPPLEMENTARY MATERIAL**

**corresponding to:**

**Homeobox genes in endometrium:  
from development to decidualization**

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SUPPLEMENTARY TABLE 1

THE LEVELS OF HOXA10 IN VARIOUS UTERINE DISORDERS

| Disease  | Status of HOXA10   | References   |
|--|--|--|
| Endometriosis  | Low levels: Eutopic and Ectopic endometrium *<br>Reduced expression in ectopic endometrium irrespective of the type or stage of the lesion.<br>Increased methylation of promoter and intronic region of HOXA10 | Andersson <i>et al.</i> , 2014; Ji <i>et al.</i> , 2017; Kulp <i>et al.</i> , 2016; Samadieh <i>et al.</i> , 2019; Signorile <i>et al.</i> , 2018; Wang <i>et al.</i> , 2018; Zanatta <i>et al.</i> , 2010 |
| Recurrent implantation failure and Recurrent miscarriage | Low *  | Yang <i>et al.</i> , 2017  |
| Endometrial hyperplasia                                  | Low in simple, complex (with and without atypia) #   | Zhong <i>et al.</i> , 2011   |
| Endometrial adenocarcinomas                              | Increase in high nuclear grade endometrial adenocarcinomas \$<br>Reduced with a progressive decline with higher grade of adenocarcinoma (G1> G2>G3) #  | Lane <i>et al.</i> , 2004; Liu <i>et al.</i> , 2018<br>Yoshida <i>et al.</i> , 2006; Zhang <i>et al.</i> , 2014  |
| Unexplained infertility                                  | Low *  | Matsuzaki <i>et al.</i> , 2009 ; Gui <i>et al.</i> , 1999  |
| Uterine leiomyomas                                       | Low in the stroma of subucosal myoma# *  | Matsuzaki <i>et al.</i> , 2009; Rackow and Taylor, 2010  |
| Uterine Polyps   | Low ^  | Rackow and Taylor, 2010  |
| Adenomyosis  | Low *  | Fischer <i>et al.</i> , 2011   |
| Uterine septum   | Low (Partially Septate Uterus)   | Zhu <i>et al.</i> 2016   |

\*as compared to normal fertile women at secretory/mid secretory phase

# as compared to normal fertile women at stage of menstrual cycle unknown

^ as compared to normal fertile women at proliferative stage

\$ as compared to normal, hyperplastic and low-grade endometrial adenocarcinomas or adjacent normal tissue

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