|  |  |  |
| --- | --- | --- |
| Name | Role | Examined stage |
| OCT4 | Transcription factor, pluripotency marker  | G28 |
| VASA | RNA helicase, critical for germ cell survival and maturation  | G28 |
| H2AX | Phosphorylation of H2AX histone in response to DNA double-strand breaks during all kinds of endogenous DNA damaging events such as apoptosis, and meiotic recombination or exogenous DNA damage.  | G28 |
| PCNA | Marker of DNA replication and repair at cell division and meiosis | G28 |
| AMH | Hormone produced by granulosa cells. Marker of ovarian reserve.  | Adult |

**Supplementary table 2.** Name and role of the proteins studied by immunochemistry in F1 ovaries