**Supplementary Table 4*:* Summary of xenotransplantation assay.** L = left testis, R = right testis, n/a = non applicable, + = few foci, ++ = several foci, +++ = dominating component. Data related to Figure 4.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cell line** | **Mouse** | | **Injected cell number** | **Transplantation time** | **Xenograft weight (mg)** | **Outcome** | **Analysis** | **Whole mount results** | | **Sectioning results** | | | |
| **Colonies** | **Cells in colonies** | **NuMA+ tubules (%)** | **Teratoma-like** | **Restored Spermatogenesis** | **Necrosis** |
| *pbMOCK* | 4185 | R | 4.24E+05 | 5 weeks | 24.88 | Soft | Whole mount | 0 | n/a |  |  |  |  |
| L | 1.49E+06 | 49.44 | Soft | Sectioning |  |  |  |  |  |  |
| 4186 | R | 0.00E+00 | 7 weeks | 22.86 | Soft | Whole mount | 0 | n/a |  |  |  |  |
| L | 1.49E+06 | 83.84 | Hard | Sectioning |  |  | 0.2 | Yes | + | ++ |
| 4187 | R | 1.27E+06 | 4 weeks | n/a | No testis found | n/a |  |  |  |  |  |  |
| L | 1.27E+06 | n/a | n/a |  |  |  |  |  |  |
| 4188 | R | 1.27E+06 | 1 week | 24.26 | Soft | Whole mount | 0 | n/a |  |  |  |  |
| L | 1.27E+06 | 24.78 | Soft | Sectioning |  |  |  |  |  |  |
| 4189 | R | 1.49E+06 | 8 weeks | 114.21 | Hard | Sectioning |  |  | 12.7 | Yes | No | + |
| L | 1.49E+06 | 111.86 | Hard | Sectioning |  |  | 4.4 | No | ++ | ++ |
| 4190 | R | 1.49E+06 | 8 weeks | 48.03 | Soft | Whole mount | 0 | n/a |  |  |  |  |
| L | 1.49E+06 | 45.47 | Soft | Sectioning |  |  | 0.0 | No | +++ | No |
| 4191 | R | 1.49E+06 | 8 weeks | 245.92 | Tumor | Sectioning |  |  |  | No | + | ++ |
| L | 1.27E+06 | 248.93 | Tumor | Sectioning |  |  |  | Yes | + | + |
| *pbNANOS3* | 4201 | R | 1.24E+06 | 8 weeks | 126.77 | Tumor | Sectioning |  |  |  |  |  |  |
| L | 1.45E+06 | 111.97 | Tumor | Sectioning |  |  | 20.0 | Yes | No | ++ |
| 4202 | R | 1.45E+06 | 8 weeks | 19.36 | Shrunken | Sectioning |  |  |  |  |  |  |
| L | 1.24E+06 | 124.52 | Tumor | Sectioning |  |  |  |  |  |  |
| 4203 | R | 1.45E+06 | 8 weeks | 255.64 | Tumor | Sectioning |  |  |  | No | No | +++ |
| L | 1.45E+06 | 476.89 | Tumor | Sectioning |  |  |  |  |  |  |
| 4204 | R | 1.45E+06 | 8 weeks | 102.14 | Tumor | Sectioning |  |  | 0.5 | No | No | +++ |
| L | 1.45E+06 | 93.19 | Tumor | Sectioning |  |  |  |  |  |  |
| 4205 | R | 1.45E+06 | 8 weeks | 411.59 | Tumor | Sectioning |  |  |  |  |  |  |
| L | 1.45E+06 | 315.61 | Tumor | Sectioning |  |  |  | Yes | No | No |
| 4206 | R | 1.45E+06 | 8 weeks | 75.03 | Tumor | Sectioning |  |  | 0.5 | Yes | + | No |
| L | 1.45E+06 | 52.93 | Tumor | Sectioning |  |  |  |  |  |  |
| 4207 | R | 1.45E+06 | 5 weeks | 75.03 | Soft | Whole mount | 1 | clump |  |  |  |  |
| L | 1.45E+06 | 52.93 | Soft | Sectioning |  |  | 5.5 | No | + | No |
| *pbDAZL* | 4154 | R | 1.42E+06 | 8 weeks | 60.90 | Partial soft | Sectioning |  |  |  |  |  |  |
| L | 1.42E+06 | 149.45 | Soft - Tumor | Sectioning |  |  | 4.9 | Yes | No | No |
| 4155 | R | 1.42E+06 | 8 weeks | 30.10 | Soft | Whole mount | 0 | n/a |  |  |  |  |
| L | 1.22E+06 | 40.22 | Soft | Sectioning |  |  | 0.8 | Yes | No | No |
| 4156 | R | 1.42E+06 | 8 weeks | 67.89 | Partial soft | Whole mount | 6 | 18, 9, 5, 8, 13, 12 |  |  |  |  |
| L | 1.42E+06 | 90.74 | Hard - Tumor | Sectioning |  |  | 5.3 | Yes | + | ++ |
| 4157 | R | 1.42E+06 | 8 weeks | 34.34 | Soft | Whole mount | 0 | n/a |  |  |  |  |
| L | 1.42E+06 | 37.29 | Soft | Sectioning |  |  | 2.5 | Yes | + | No |
| 4158 | R | 1.01E+06 | 8 weeks | 92.92 | Hard - Tumor | Sectioning |  |  |  |  |  |  |
| L | 1.01E+06 | 100.09 | Hard - Tumor | Sectioning |  |  |  |  |  |  |
| 4159 | R | 1.42E+06 | 8 weeks | 85.54 | Hard - Tumor | Sectioning |  |  |  |  |  |  |
| L | 1.42E+06 | 45.83 | Soft | Sectioning |  |  |  |  |  |  |
| 4160 | R | 1.42E+06 | 8 weeks | 97.89 | Hard - Tumor | Sectioning |  |  | 0.7 | Yes | No | + |
| L | 1.42E+06 | 74.81 | Hard - Tumor | Sectioning |  |  | 0.0 | No | + | No |