

**Supplementary Table 1.** The individual data of infertile mares' endometrial biopsies classification according to Kenney and Doig [12] and well as the immunohistochemical expression of PTGS-2<sup>a</sup> in the surface and glandular epithelium and fibronectin in endometrial stroma, in biopsies collected from the left and right uterine horns, respectively, from 53 non-fertile mares

| Mare number | Left horn                 |                    |                      |             | Right horn                |                    |                      |             |
|-------------|---------------------------|--------------------|----------------------|-------------|---------------------------|--------------------|----------------------|-------------|
|             | Keney-Doig classification | PTGS-2             |                      | Fibronectin | Keney-Doig classification | PTGS-2             |                      | Fibronectin |
|             |                           | Surface epithelium | Glandular epithelium |             |                           | Surface epithelium | Glandular epithelium |             |
| 1.          | I                         | 1                  | 1                    | 3           | IIA                       | 1                  | 1                    | 3           |
| 2.          | I                         | 1                  | 1                    | 3           | I                         | 1                  | 1                    | 2           |
| 3.          | IIA                       | 2                  | 0                    | 3           | IIA                       | 2                  | 1                    | 3           |
| 4.          | IIA                       | 0                  | 0                    | 3           | IIA                       | 2                  | 1                    | 2           |
| 5.          | IIA                       | 2                  | 0                    | 2           | I                         | 2                  | 1                    | 2           |
| 6.          | IIB                       | 2                  | 1                    | 2           | IIA                       | 1                  | 1                    | 2           |
| 7.          | IIA                       | 0                  | 0                    | 2           | IIA                       | 2                  | 2                    | 3           |
| 8.          | IIA                       | 2                  | 0                    | 3           | IIA                       | 1                  | 1                    | 2           |
| 9.          | I                         | 1                  | 0                    | 2           | I                         | 0                  | 1                    | 2           |
| 10.         | III                       | 1                  | 1                    | 2           | IIA                       | 3                  | 2                    | 3           |
| 11.         | IIA                       | 1                  | 0                    | 3           | IIA                       | 1                  | 1                    | 2           |
| 12.         | IIA                       | 1                  | 2                    | 2           | I                         | 1                  | 1                    | 2           |
| 13.         | IIA                       | 3                  | 2                    | 2           | I                         | 0                  | 0                    | 2           |
| 14.         | IIA                       | 2                  | 2                    | 1           | I                         | 0                  | 1                    | 2           |
| 15.         | IIA                       | 2                  | 1                    | 3           | IIB                       | 3                  | 2                    | 2           |
| 16.         | IIA                       | 1                  | 1                    | 2           | IIA                       | 1                  | 0                    | 2           |
| 17.         | IIA                       | 3                  | 3                    | 2           | IIA                       | 3                  | 1                    | 3           |
| 18.         | IIA                       | 2                  | 2                    | 2           | I                         | 1                  | 1                    | 2           |
| 19.         | I                         | 1                  | 1                    | 1           | I                         | 0                  | 1                    | 1           |
| 20.         | IIA                       | 1                  | 1                    | 1           | I                         | 0                  | 2                    | 1           |
| 21.         | I                         | 1                  | 0                    | 1           | I                         | 1                  | 1                    | 1           |
| 22.         | IIA                       | 1                  | 0                    | 2           | IIA                       | 1                  | 0                    | 2           |
| 23.         | I                         | 1                  | 2                    | 3           | IIA                       | 1                  | 1                    | 2           |
| 24.         | IIA                       | 1                  | 0                    | 2           | I                         | 1                  | 0                    | 2           |
| 25.         | IIA                       | 2                  | 1                    | 2           | I                         | 0                  | 0                    | 1           |
| 26.         | I                         | 1                  | 1                    | 2           | I                         | 1                  | 1                    | 1           |
| 27.         | I                         | 3                  | 2                    | 3           | IIA                       | 2                  | 2                    | 3           |
| 28.         | III                       | 2                  | 1                    | 3           | III                       | 2                  | 1                    | 2           |
| 29.         | I                         | 1                  | 1                    | 2           | I                         | 0                  | 0                    | 1           |
| 30.         | I                         | 1                  | 1                    | 2           | IIA                       | 1                  | 0                    | 1           |
| 31.         | IIA                       | 1                  | 1                    | 2           | I                         | 1                  | 0                    | 1           |

|     |     |   |   |   |     |   |   |   |
|-----|-----|---|---|---|-----|---|---|---|
| 32. | I   | 1 | 1 | 2 | I   | 1 | 1 | 2 |
| 33. | IIA | 1 | 2 | 2 | I   | 1 | 1 | 1 |
| 34. | I   | 1 | 1 | 2 | I   | 0 | 0 | 2 |
| 35. | III | 2 | 1 | 3 | IIB | 2 | 1 | 3 |
| 36. | I   | 1 | 0 | 1 | I   | 1 | 0 | 1 |
| 37. | IIB | 1 | 1 | 3 | IIA | 2 | 1 | 2 |
| 38. | I   | 1 | 1 | 2 | IIA | 1 | 0 | 1 |
| 39. | IIA | 2 | 1 | 2 | I   | 1 | 0 | 1 |
| 40. | IIB | 2 | 2 | 2 | IIB | 2 | 1 | 2 |
| 41. | I   | 0 | 1 | 1 | IIA | 2 | 1 | 2 |
| 42. | IIA | 1 | 1 | 2 | IIA | 1 | 0 | 1 |
| 43. | I   | 1 | 1 | 2 | IIA | 2 | 0 | 2 |
| 44. | I   | 1 | 0 | 1 | I   | 0 | 0 | 1 |
| 45. | IIB | 2 | 1 | 3 | IIB | 2 | 0 | 3 |
| 46. | IIA | 1 | 1 | 2 | I   | 1 | 0 | 2 |
| 47. | IIB | 2 | 1 | 3 | IIB | 2 | 1 | 2 |
| 48. | IIA | 1 | 1 | 2 | I   | 1 | 0 | 1 |
| 49. | I   | 0 | 0 | 2 | I   | 0 | 0 | 1 |
| 50. | I   | 1 | 0 | 1 | I   | 1 | 1 | 1 |
| 51. | I   | 0 | 1 | 1 | IIA | 1 | 0 | 2 |
| 52. | I   | 0 | 0 | 1 | I   | 1 | 1 | 1 |
| 53. | I   | 1 | 0 | 1 | I   | 1 | 1 | 2 |

<sup>a</sup>PTGS — prostaglandin-endoperoxide synthase-2.