Table 4: Behavioral and physiological reversal data in female tigers with a history of deslorelin acetate (DA) contraception use. Tiger species: A: Amur, S: Sumatran, G: Generic. Signs observed: Be: behavior, Br: breeding, E: estrus, M: male interest, H: Hormonal cycling. Dose refers to DA (Suprelorin®) implants: 4.7 or 9.4 x number of implants, expiration dates are 180 days after implantation of 4.7 mg DA and 360 days for 9.4 mg DA. Implant removed: Y: yes, N: no, U: unknown. Supplement/Separation: Y: yes, N: no, Sep: separation, Sup: supplement, U: unknown, MA: megestrol acetate. Implant removed: Y: yes, N: no, U: unknown. Contraceptive history: M: MGA, D: Deslorelin, RU: removal of implant unknown (includes dates if known), N: none, DU: dose unknown, NR: not removed, D+MA: deslorelin with megestrol acetate supplement prior. Conception: Y: yes, N: no. Information pertaining to conception is in Table 3.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Months until behavioral reversal** | **Tiger** **species**  | **Date of birth**  | **Previous offspring**   | **Contraceptive history**   | **Start date**  | **Dose**  | **Supplement/**  **Separation**   | **Implant removed**   | **Sign**  | **Conception**  |
| *0-6*  | A  | Aug-92  | Jan-00  | M Mar-95, RU  | 07-Jan-07  | 4.7x4  | N  | U  | Be, E, M  | N  |
|  | G  | Oct-04  | N  | D: Apr-06 (4.7x3), Nov-06 (4.7x4), RU  | 12-Apr-06  | 4.7x3  | Sep  | Y 12 Oct-06)  | Be, E  | N  |
|  | G  | Jun-03  | N  | D Apr-06 [4.7x2], Nov-06 [4.7x4], RU  | 11-Apr-06  | 4.7x3  | Sep  | N  | Be, E  | N  |
| *7-12*  | S  | May-01  | N  | N  | 20-Oct-05  | 4.7x2  | N  | U  | E  | N  |
|  | A  | Mar-09  | N  | N  | 16-Mar-16 |   | N  |   | Be, Br  | N  |
|  | S  | Apr-98  | Jun-06  | M Nov-04, RU  | 25-Jun-10  | 4.7x3  | Sep  | Y (12-Aug-10)  | E  | N  |
|  | S  | Apr-98  | Jun-06  | M Nov-04, RU; D Oct-07 [4.7x1, 9.4x1], RU  | 19-Apr-14  | 9.4x2  | N  | N  | Be  | N  |
|  | S  | Mar-99  | Mar-05  | N  | 12-Jan-09  | 9.4x3  | N  | U  | Be, M  | Y  |
| *13-18*  | A  | May-01  | N  | N  | 19-Nov-05  | 4.7x2  | N  | U  | E, Br  | N  |
|  | S  | Jun-93 | N  | N  | 02-Jan-08  | 9.4x3  | N  | U  | Be, Br  | N  |
| *19-24*  | A  | Oct-03  | N  | N  | 24-Feb-16  | 9.4x2  | Sup, U  | Y (22-Feb-18)  | Be, E  | Y  |
| *25-30*  | S  | Aug-92  | Jan-00  | N  | 22-Jun-05  | 4.7x1  | N  | U  | E  | N  |
|  | S  | Apr-99  | Oct-03  | N  | 28-Jun-05  | 4.7x1  | Sup (MA)  | U  | E  | N  |
|  | A  | Jul-97  | Aug-99  | N  | 01-Dec-09  | 9.4x1  | Sep  | U  | Be, E, Br  | N  |
|  | A  | Jul-97 | Mar-03  | D Jul-04 [DU], NR  | 28-Jan-08  | 9.4x1  | U  | U  | H, E  | Y  |
|  | S  | Dec-06  | N  | D Mar-11 [9.4x3], NR  | 24-Oct-07  | 4.7x1; 9.4x1  | N  | Y (25-Jun-10)  | Be, E, Br  | Y  |
|  | S  | Dec-06  | N  | D Mar-11 [9.4x3], NR  | 10-Mar-10  | 9.4x3  |   | N  | Be, E  | Y  |
| *31-36*  | A  | Jul-03  | N  | No  | 16-Mar-16  | 9.4x2  |   | U  | Be, E  | Y  |
|  | S  | Jun-07  | N  | No  | 10-Mar-10  | 9.4x3  |   | N  | Be, Br  | Y  |
|  | G  | Jan-03 | N  | No  | 27-Oct-09  | 9.4x3  |   | U  | Be, Br  | N  |
|  | A  | Oct-04  | N  | D Apr-06 [4.7x3], Nov-06 [4.7x4], NR  | 04-May-07  | 9.4x2  |   | N  | Be, E  | Y  |
| *37-42*  | A  | Jan-03  | Apr-06  | M Nov-06, RU; D + MA Nov-08 [9.4x3], RU  | 31-Dec-10  | 9.4x2  |   | N  | Be, E  | N  |
|  | S  | Jun-05  | N  | D Sep-07 [9.4x2], Sep-08 [9.4x2], RU  | 16-Sep-09  | 9.4x2  |   | U  | Be, E, Br  | N  |
| *43-48*  | A  | Jun-93  | May-04  | D Jan-08 [9.4x3], RU  | 01-May-07  | 9.4x2  |   | U  | E  | N  |
| *>49*  | A  | Jan-03  | Apr-06  |   | 01-May-07  | 9.4x2  |   | U  | E  | N |