

Table 1. Key input parameters for all five simulated scenarios, including ET type, and counts of donors, embryos, and contract mating cows.

Scenario	Number of JIVET Donors Selected	Number of JIVET Donors Collected	Number of JIVET Embryos	Number of TVR ET Donors	Number of TVR ET Embryos	Number of Contract Mating Cows
BASE	0	0	0	83	828	1,236
RSTR	37	11	166	83	828	1,024
INBRD	37	11	166	83	828	1,024
P-LIM	300	90	1,350	83	828	76
T-LIM	300	300	4,500	83	828	76

Table 2. Expected mean genetic gains and inbreeding rates from the five simulated scenarios.

Scenario	Average Annual Genetic Gain Expressed per Genetic Standard Deviation	Average Annual Genetic Gain Expressed per Genetic Standard Deviation Relative to BASE (%)	Average Annual Rate of Inbreeding (%)	Average Annual Rate of Inbreeding Relative to BASE (%)
BASE	0.354	100.00	0.295	100.00
RSTR	0.375	106.02	0.357	121.04
INBRD	0.380	107.43	0.520	176.45
P-LIM	0.386	109.19	0.342	115.83
T-LIM	0.402	113.58	0.315	106.82