

NAV AI sires with at least 100 progenies, R2 birth >= 0.85 (0.75 for JER)

HOL

Max change	Born >= 2000 (1083 sires)					Born >= 2010 (663 sires)					Born >= 2015 (246 sires)				
	Birth index	dSB1	dCE1	dSB2	dCE2	Birth index	dSB1	dCE1	dSB2	dCE2	Birth index	dSB1	dCE1	dSB2	dCE2
1	86%	83%	72%	72%	68%	90%	87%	78%	67%	75%	96%	92%	88%	77%	85%
2	97%	95%	89%	90%	85%	97%	97%	94%	91%	90%	100%	100%	99%	96%	93%
3	99%	99%	96%	97%	94%	100%	99%	98%	96%	95%	100%	100%	100%	99%	98%
4	100%	100%	99%	99%	97%	100%	100%	100%	99%	98%	100%	100%	100%	100%	99%
5	100%	100%	99%	100%	99%	100%	100%	100%	100%	99%	100%	100%	100%	100%	100%

RDC

Max change	Born >= 2000 (541 sires)					Born >= 2010 (272 sires)					Born >= 2015 (132 sires)				
	Birth index	dSB1	dCE1	dSB2	dCE2	Birth index	dSB1	dCE1	dSB2	dCE2	Birth index	dSB1	dCE1	dSB2	dCE2
1	52%	47%	68%	48%	44%	55%	44%	77%	49%	51%	58%	43%	80%	48%	49%
2	75%	74%	87%	72%	65%	78%	74%	94%	74%	73%	83%	78%	94%	76%	73%
3	90%	85%	94%	85%	79%	93%	88%	98%	88%	85%	94%	91%	98%	91%	86%
4	96%	92%	99%	93%	89%	99%	95%	100%	96%	95%	100%	97%	100%	98%	95%
5	98%	97%	99%	96%	94%	100%	99%	100%	98%	98%	100%	100%	100%	99%	98%

JERSEY

Max change	Born >= 2000 (245 sires)					Born >= 2010 (152 sires)					Born >= 2015 (83 sires)				
	Birth index	dSB1	dCE1	dSB2	dCE2	Birth index	dSB1	dCE1	dSB2	dCE2	Birth index	dSB1	dCE1	dSB2	dCE2
1	50%	52%	30%	43%	38%	51%	57%	31%	49%	39%	52%	63%	34%	53%	31%
2	73%	77%	52%	67%	56%	76%	82%	49%	70%	55%	75%	87%	52%	75%	51%
3	91%	89%	64%	82%	68%	93%	89%	63%	84%	66%	93%	92%	65%	87%	63%
4	96%	96%	72%	91%	75%	99%	96%	72%	93%	76%	99%	98%	73%	95%	72%
5	99%	97%	77%	94%	82%	100%	98%	78%	95%	83%	100%	98%	76%	96%	78%

NAV AI sires with at least 100 daughters, R2 calving >= 0.85 (0.75 for JER)

HOL

Max change	Born >= 2000 (531 sires)					Born >= 2010 (312)					Born >= 2015 (101 sires)				
	Calving index	mSB1	mCE1	mSB2	mCE2	Calving index	mSB1	mCE1	mSB2	mCE2	Calving index	mSB1	mCE1	mSB2	mCE2
1	75%	75%	65%	42%	56%	84%	89%	75%	42%	57%	83%	95%	82%	32%	56%
2	95%	95%	90%	67%	82%	99%	99%	95%	63%	85%	99%	99%	97%	52%	89%
3	99%	99%	97%	81%	93%	100%	100%	99%	79%	96%	100%	100%	99%	70%	96%
4	100%	100%	99%	91%	97%	100%	100%	100%	91%	99%	100%	100%	100%	85%	99%
5	100%	100%	100%	95%	98%	100%	100%	100%	96%	99%	100%	100%	100%	91%	100%

RDC

Max change	Born >= 2000 (292 sires)					Born >= 2010 (125 sires)					Born >= 2015 (23 sires)				
	Calving index	mSB1	mCE1	mSB2	mCE2	Calving index	mSB1	mCE1	mSB2	mCE2	Calving index	mSB1	mCE1	mSB2	mCE2
1	44%	50%	59%	29%	47%	40%	44%	70%	17%	49%	39%	43%	83%	13%	39%
2	69%	70%	81%	48%	70%	67%	70%	91%	37%	67%	57%	70%	100%	39%	48%
3	83%	79%	91%	62%	83%	79%	82%	99%	50%	83%	65%	78%	100%	52%	70%
4	92%	90%	96%	74%	92%	90%	91%	100%	66%	94%	87%	83%	100%	57%	91%
5	95%	94%	98%	83%	97%	94%	95%	100%	79%	97%	96%	91%	100%	70%	91%

JERSEY

Max change	Born >= 2000 (143 sires)					Born >= 2010 (74 sires)					Born >= 2015 (27 sires)				
	Calving index	mSB1	mCE1	mSB2	mCE2	Calving index	mSB1	mCE1	mSB2	mCE2	Calving index	mSB1	mCE1	mSB2	mCE2
1	71%	59%	42%	62%	29%	72%	31%	58%	58%	26%	70%	67%	37%	52%	22%
2	91%	81%	61%	81%	50%	91%	58%	78%	78%	49%	93%	85%	70%	74%	41%
3	99%	96%	73%	91%	66%	99%	72%	89%	89%	65%	100%	100%	81%	85%	70%
4	100%	98%	87%	98%	78%	100%	88%	100%	100%	77%	100%	100%	93%	100%	85%
5	100%	99%	96%	100%	90%	100%	99%	100%	100%	89%	100%	100%	96%	100%	89%

Summary of observation on large index changes

Breed	R2 >= 0.40	R2 >= 0.85 (0.75 for JER)	Breed	R2 >= 0.40	R2 >= 0.85 (0.75 for JER)
Birth index and direct traits			Calving index and maternal traits		
HOL	None	None	HOL	CE2 for older sires (2000-10) SB2	SB2
RDC	CE2 for older sires (2 CE2 for older sires (2000-10) SB1 SB2		RDC	CE2 for older sires (2000-10) SB1 SB2, very large	SB1 SB2, very large
JER	CE2 for older sires (2000-10) CE1, very large CE2, very large	CE1, very large CE2, very large	JER	CE1 for older sires (2000-10) CE2 for older sires (2 CE2)	