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Ayrshire

Figure S1. Estimates of genetic change per year from segmented regressions of $\overline{PBV}$ on birth year for AY cows for seven traits: milk, fat, and protein yields; SCS; PL; DPR and LIV. The vertical dashed line indicates the year when genomic selection was implemented (i.e., 2013).

Brown Swiss

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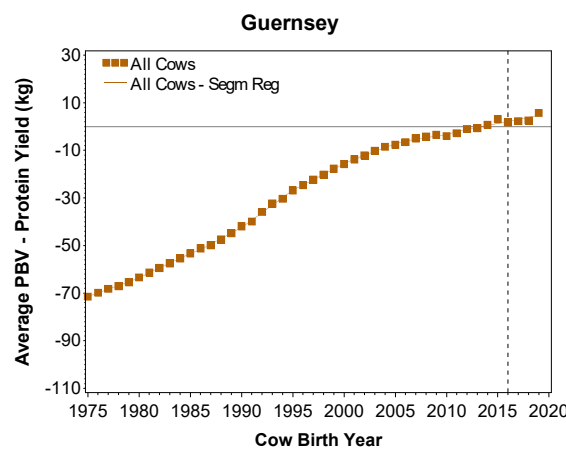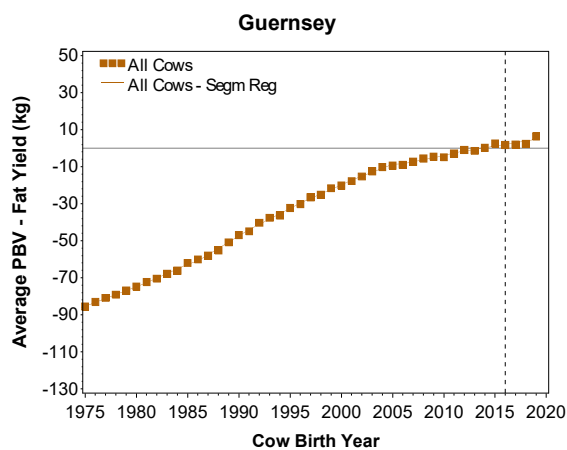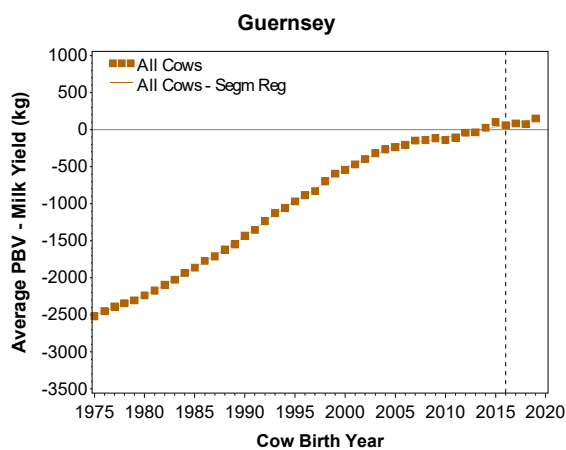

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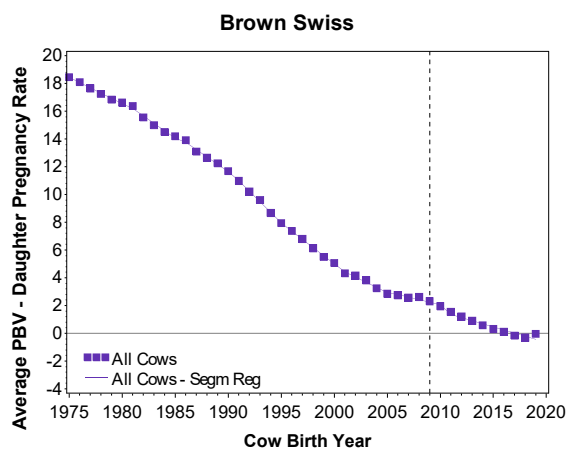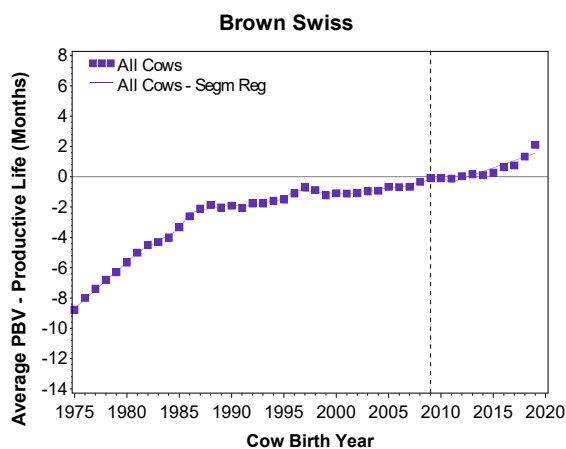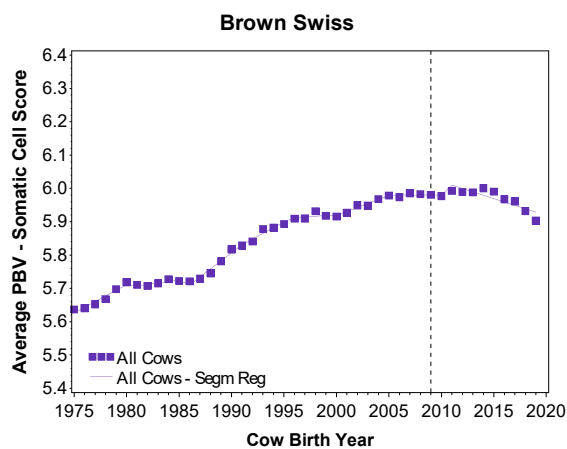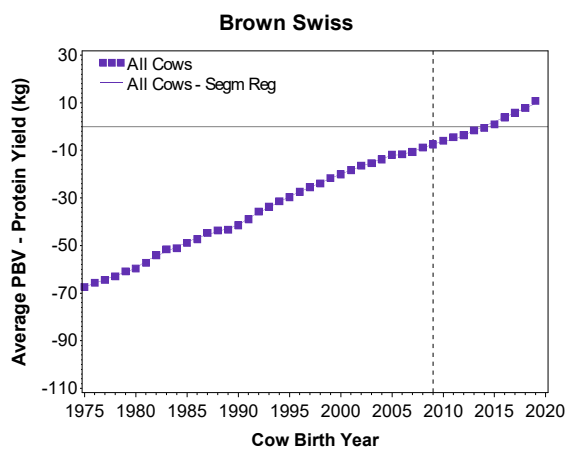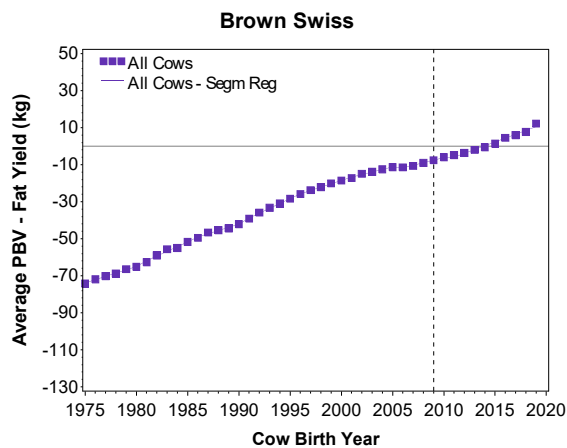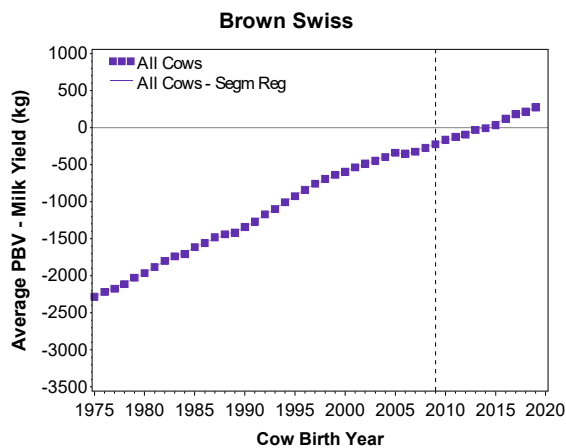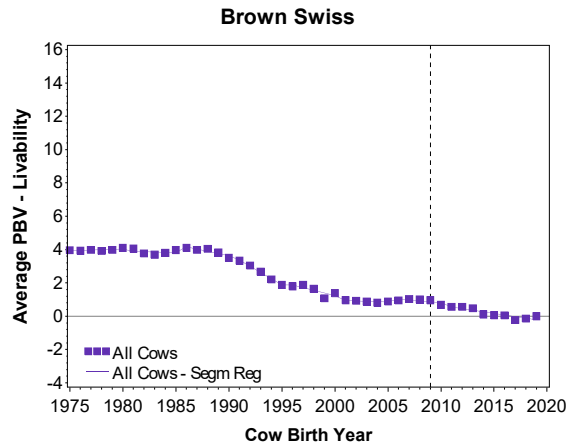
Figure S2. Estimates of genetic change per year from segmented regressions of $\overline{PBV}$ on birth year for

BS cows for seven traits: milk, fat, and protein yields; SCS; PL; DPR and LIV. The vertical dashed line

indicates the year when genomic selection was implemented (i.e., 2009).

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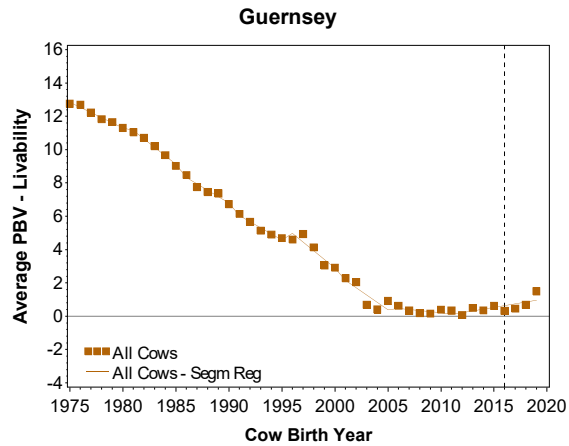43

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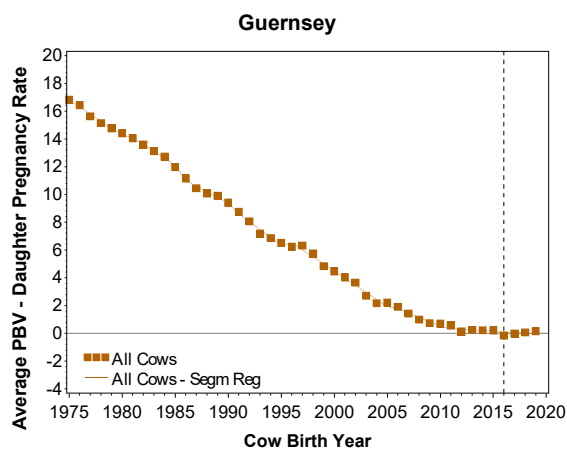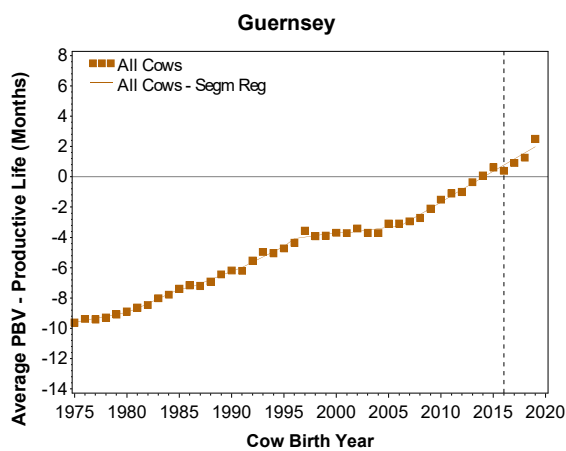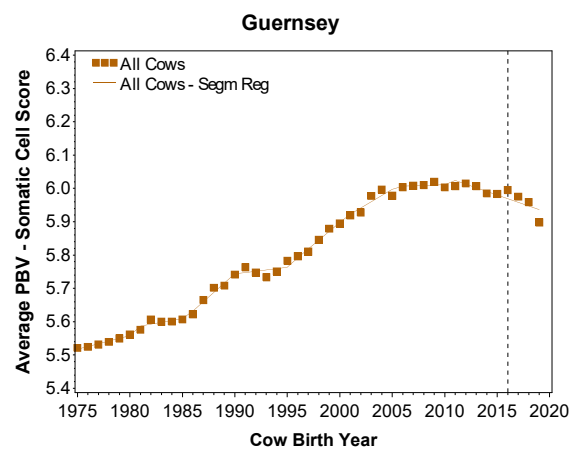
Figure S3. Estimates of genetic change per year from segmented regressions of $\overline{PBV}$ on birth year for GU cows for seven traits: milk, fat, and protein yields; SCS; PL; DPR and LIV. The vertical dashed line indicates the year when genomic selection was implemented (i.e., 2016).
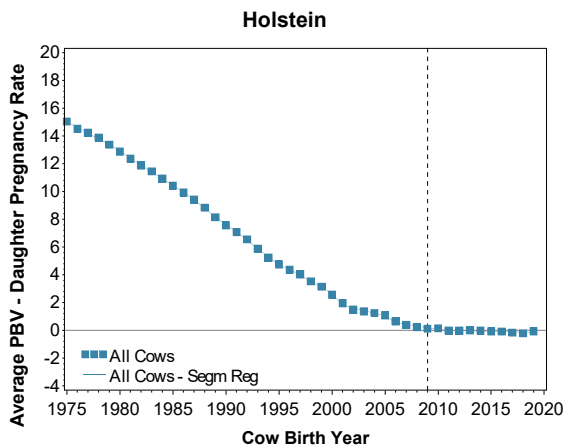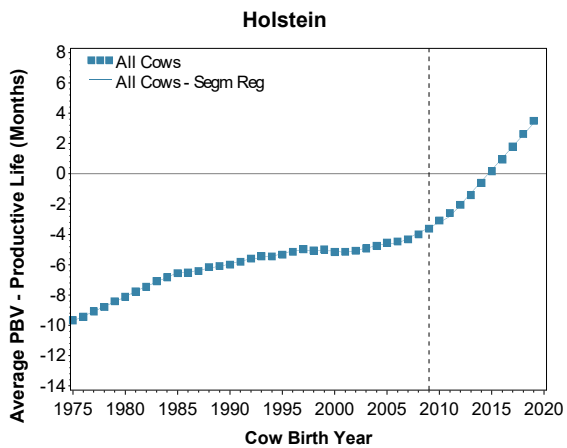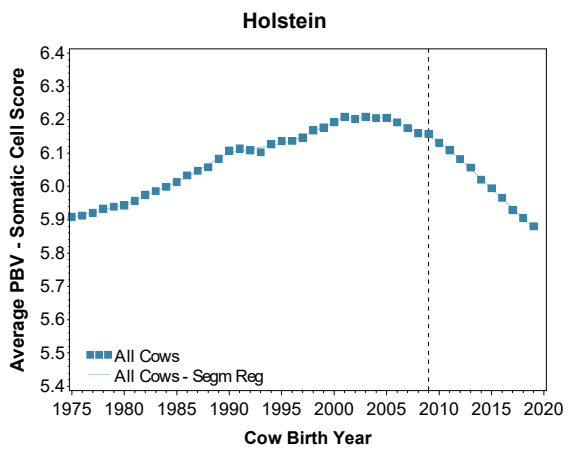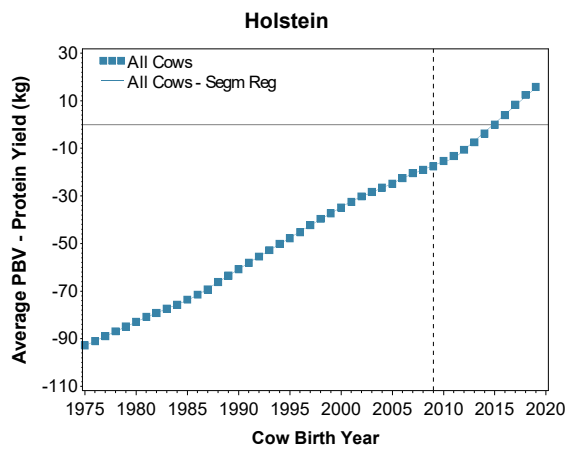
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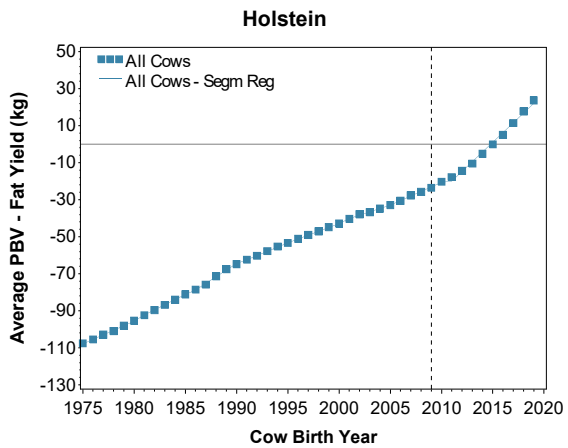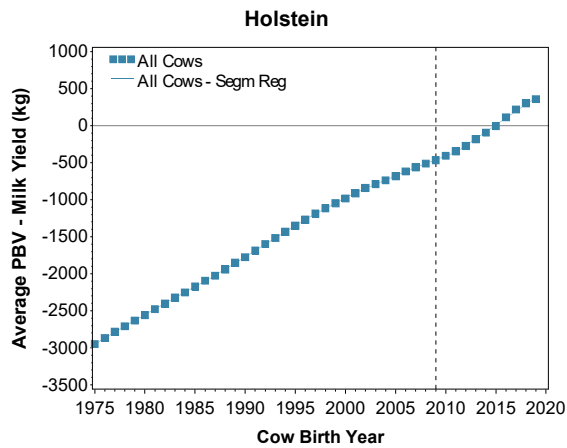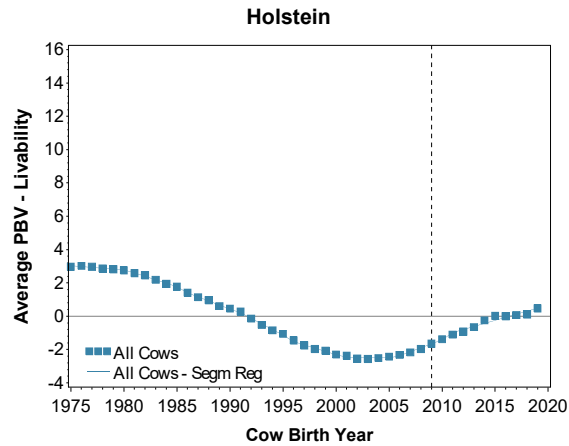**Holstein**

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81   **Figure S4.** Estimates of genetic change per year from segmented regressions of $\overline{PBV}$ on birth year for

82   HO cows for seven traits: milk, fat, and protein yields; SCS; PL; DPR and LIV. The vertical dashed

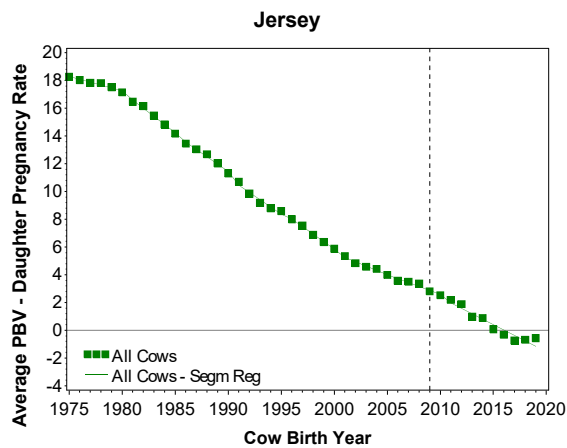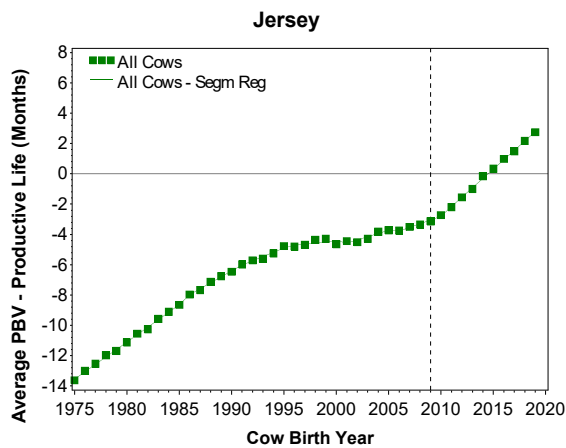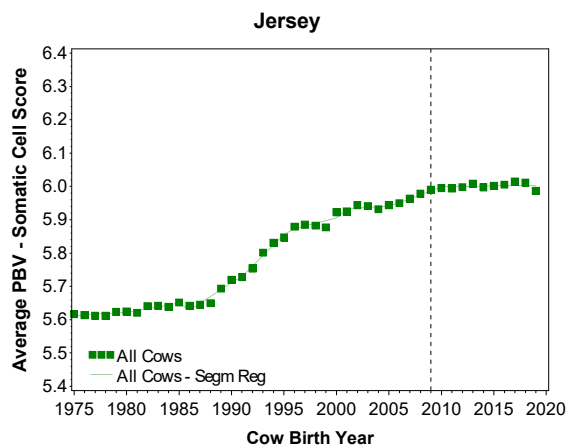83   line indicates the year when genomic selection was implemented (i.e., 2009).

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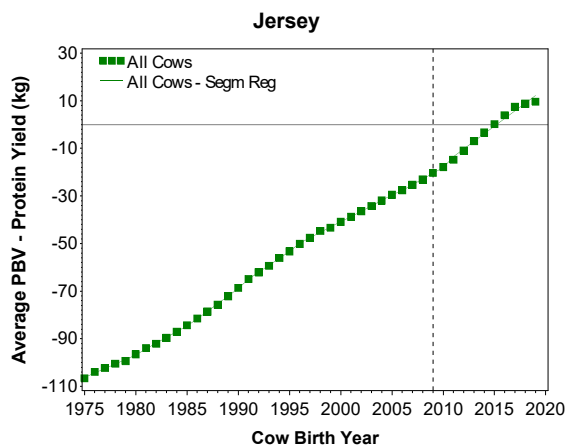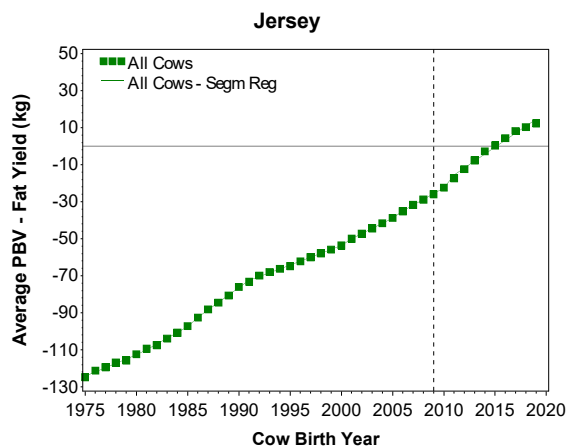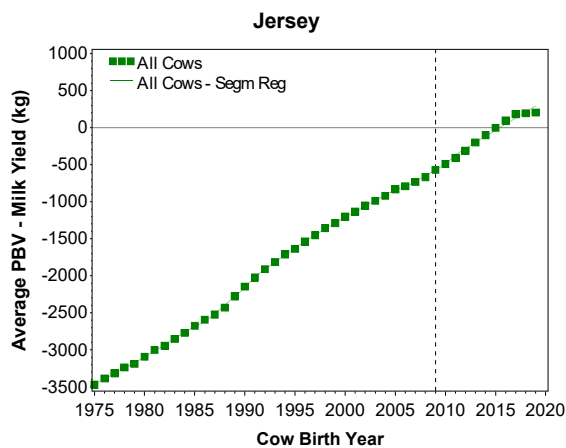
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Jersey

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Figure S5. Estimates of genetic change per year from segmented regressions of $\overline{PBV}$ on birth year for

JE cows for seven traits: milk, fat, and protein yields; SCS; PL; DPR and LIV. The vertical dashed line

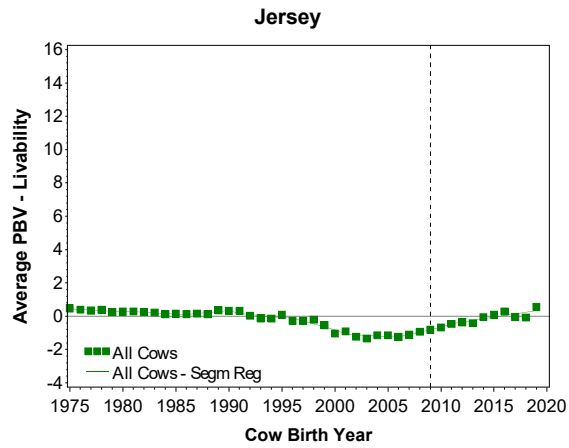indicates the year when genomic selection was implemented (i.e., 2009).

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