

**Average Gain in LPI Reliability Due to Genomics
 - August 2013 -**

Sub-Group for Holstein Breed	Average LPI Reliability (%)			
	Traditional	Genomics	Gain	DGV Weight
50K Young Bulls and Heifers (Born 2010-2013)	39	71	32	65%
LD (3K or 6K) Heifers (Born 2011-2013)	34	68	34	67%
LD Younger Cows in 1st or 2nd Lactation	51	70	19	58%
LD Foreign Cows with MACE in Canada	42	70	28	63%
1st Crop Proven Sires in Canada	86	90	4	51%
Foreign Sires with MACE in Canada	70	83	13	54%

Sub-Group for Jersey Breed	Average LPI Reliability (%)			
	Traditional	Genomics	Gain	DGV Weight
50K Young Bulls and Heifers (Born 2010-2013)	32	47	15	59%
LD (3K or 6K) Heifers (Born 2011-2013)	30	45	15	60%
Younger Cows in 1st or 2nd Lactation (50K)	53	58	5	52%
Foreign Cows with MACE in Canada	39	52	13	57%
1st Crop Proven Sires in Canada	79	83	4	51%
Foreign Sires with MACE in Canada	70	76	6	52%

Sub-Group for Brown Swiss Breed	Average LPI Reliability (%)			
	Traditional	Genomics	Gain	DGV Weight
50K Young Bulls and Heifers (Born 2010-2013)	29	41	12	59%
LD (3K or 6K) Heifers (Born 2011-2013)	29	40	11	58%
Younger Cows in 1st or 2nd Lactation	46	51	5	53%
Foreign Cows with MACE in Canada	38	46	8	55%
1st Crop Proven Sires in Canada	67	72	5	52%
Foreign Sires with MACE in Canada	66	71	5	52%

Sub-Group for Ayrshire Breed	Average LPI Reliability (%)			
	Traditional	Genomics	Gain	DGV Weight
50K Young Bulls and Heifers (Born 2010-2013)	33	36	3	52%
LD (3K or 6K) Heifers (Born 2011-2013)	32	35	3	52%
Younger Cows in 1st or 2nd Lactation	49	50	1	51%
1st Crop Proven Sires in Canada	78	79	1	50%
Foreign Sires with MACE in Canada	67	69	2	51%

Gain in Average Reliability (%) for Lifetime Profit Index (LPI) with Genomics - Holstein, August 2013

