

**Average Gain in LPI and Pro\$ Reliability  
 Due to Genomics  
 - AUGUST 2015 -**

Sub-Group for Holstein Breed	Average LPI and Pro\$ Reliability (%)			
	Traditional	Genomics	Gain	DGV Weight
≥50K Young Bulls and Heifers with a Proven Sire	40	72	32	64%
≥50K Young Bulls and Heifers with a GPA LPI Sire (GYS)	35	66	31	65%
Heifers with LD Genotype (Born 2013-2015)	34	68	34	67%
Younger Cows in 1st or 2nd Lactation with LD Genotype	48	72	24	60%
LD Foreign Cows with MACE in Canada	40	70	30	64%
1st Crop Progeny Proven Sires in Canada	84	88	4	51%
Foreign Sires with MACE in Canada	65	82	17	56%

Sub-Group for Jersey Breed	Average LPI and Pro\$ Reliability (%)			
	Traditional	Genomics	Gain	DGV Weight
≥50K Young Bulls and Heifers with a Proven Sire	33	53	20	62%
Heifers with LD Genotype (Born 2013-2015)	29	48	19	62%
Younger Cows in 1st or 2nd Lactation with LD Genotype	48	60	12	56%
Foreign Cows with MACE in Canada	38	54	16	59%
1st Crop Proven Sires in Canada	74	77	3	51%
Foreign Sires with MACE in Canada	65	70	5	52%

Sub-Group for Brown Swiss Breed	Average LPI Reliability (%)			
	Traditional	Genomics	Gain	DGV Weight
≥50K Young Bulls and Heifers with a Proven Sire	29	52	23	64%
Heifers with LD Genotype (Born 2013-2015)	29	52	23	64%
Younger Cows in 1st or 2nd Lactation with LD Genotype	44	61	17	58%
Foreign Cows with MACE in Canada	37	56	19	60%
1st Crop Proven Sires in Canada	68	75	7	52%
Foreign Sires with MACE in Canada	61	68	7	53%

Sub-Group for Ayrshire Breed	Average LPI Reliability (%)			
	Traditional	Genomics	Gain	DGV Weight
≥50K Young Bulls and Heifers with a Proven Sire	35	45	10	56%
Heifers with LD Genotype (Born 2013-2015)	30	41	11	58%
Younger Cows in 1st or 2nd Lactation with LD Genotype	46	53	7	54%
1st Crop Proven Sires in Canada	72	73	1	50%
Foreign Sires with MACE in Canada	61	65	4	52%