



**Average Gain in LPI and Pro\$ Reliability
Due to Genomics
- AUGUST 2020 -**

Sub-Group for the HOLSTEIN Breed	Average LPI and Pro\$ Reliability (%)		
	Traditional	Genomics	Gain
≥50K Young Bulls and Heifers with a Proven Sire	42	77	35
≥50K Young Bulls and Heifers with an Unproven Sire	38	74	36
Heifers with LD Genotype (Born 2018-2020)	32	73	41
Younger Cows in 1 st or 2 nd Lactation with LD Genotype	50	78	28
Foreign Cows with MACE in Canada	40	76	36
First Crop Progeny Proven Sires in Canada	84	91	7
Foreign Sires with MACE in Canada	67	86	19

Sub-Group for the JERSEY Breed	Average LPI and Pro\$ Reliability (%)		
	Traditional	Genomics	Gain
≥50K Young Bulls and Heifers with a Proven Sire	34	55	21
Heifers with LD Genotype (Born 2018-2020)	25	48	23
Younger Cows in 1 st or 2 nd Lactation with LD Genotype	48	65	17
Foreign Cows with MACE in Canada	35	54	19
First Crop Progeny Proven Sires in Canada	77	82	5
Foreign Sires with MACE in Canada	67	75	8

Sub-Group for the BROWN SWISS Breed	Average LPI Reliability (%)		
	Traditional	Genomics	Gain
≥50K Young Bulls and Heifers with a Proven Sire	29	53	24
Heifers with LD Genotype (Born 2018-2020)	28	52	24
Younger Cows in 1 st or 2 nd Lactation with LD Genotype	45	63	18
Foreign Cows with MACE in Canada	35	55	20
First Crop Progeny Proven Sires in Canada	67	78	11
Foreign Sires with MACE in Canada	62	72	10

Sub-Group for the AYRSHIRE Breed	Average LPI Reliability (%)		
	Traditional	Genomics	Gain
≥50K Young Bulls and Heifers with a Proven Sire	34	46	12
Heifers with LD Genotype (Born 2018-2020)	24	38	14
Younger Cows in 1 st or 2 nd Lactation with LD Genotype	45	54	9
First Crop Progeny Proven Sires in Canada	74	77	3
Foreign Sires with MACE in Canada	66	72	6

Sub-Group for GUERNSEY Breed	Average LPI Reliability (%)		
	Traditional	Genomics	Gain
Young Bulls and Heifers with a Proven Sire	26	28	2
First Crop Progeny Proven Sires in Canada	58	60	2
Foreign Sires with MACE in Canada	56	58	2