



**Average Gain in LPI and Pro\$ Reliability
Due to Genomics
- APRIL 2024 -**

Sub-Group for the HOLSTEIN Breed	Average LPI and Pro\$ Reliability (%)		
	Traditional	Genomics	Gain
≥50K Young Bulls and Heifers with a Proven Sire	39	79	40
≥50K Young Bulls and Heifers with an Unproven Sire	35	75	40
Heifers with LD Genotype (Born 2022-2024)	35	76	41
Younger Cows in 1 st or 2 nd Lactation with LD Genotype	50	80	30
Foreign Cows with MACE in Canada	38	79	41
First Crop Progeny Proven Sires in Canada	82	91	9
Foreign Sires with MACE in Canada	69	87	18

Sub-Group for the JERSEY Breed	Average LPI and Pro\$ Reliability (%)		
	Traditional	Genomics	Gain
≥50K Young Bulls and Heifers with a Proven Sire	29	50	21
Heifers with LD Genotype (Born 2022-2024)	23	46	23
Younger Cows in 1 st or 2 nd Lactation with LD Genotype	44	64	20
Foreign Cows with MACE in Canada	33	54	21
First Crop Progeny Proven Sires in Canada	76	82	6
Foreign Sires with MACE in Canada	64	73	9

Sub-Group for the BROWN SWISS Breed	Average LPI Reliability (%)		
	Traditional	Genomics	Gain
≥50K Young Bulls and Heifers with a Proven Sire	28	53	25
Heifers with LD Genotype (Born 2022-2024)	26	50	24
Younger Cows in 1 st or 2 nd Lactation with LD Genotype	43	62	19
Foreign Cows with MACE in Canada	33	55	22
First Crop Progeny Proven Sires in Canada	61	75	14
Foreign Sires with MACE in Canada	60	71	11

Sub-Group for the AYRSHIRE Breed	Average LPI Reliability (%)		
	Traditional	Genomics	Gain
≥50K Young Bulls and Heifers with a Proven Sire	29	44	15
Heifers with LD Genotype (Born 2022-2024)	26	42	16
Younger Cows in 1 st or 2 nd Lactation with LD Genotype	44	55	11
First Crop Progeny Proven Sires in Canada	76	79	3
Foreign Sires with MACE in Canada	65	71	6

Sub-Group for GUERNSEY Breed	Average LPI Reliability (%)		
	Traditional	Genomics	Gain
Young Bulls and Heifers with a Proven Sire	24	28	4
First Crop Progeny Proven Sires in Canada	57	63	6
Foreign Sires with MACE in Canada	53	56	3