

Average Gain in LPI Reliability Due to Genomics
 - APRIL 2015 -

Sub-Group for Holstein Breed	Average LPI Reliability (%)			
	Traditional	Genomics	Gain	DGV Weight
≥50K Young Bulls and Heifers with a Proven Sire	40	73	33	65%
≥50K Young Bulls and Heifers with a GPA LPI Sire (GYS)	36	67	31	65%
Heifers with LD Genotype (Born 2013-2015)	34	69	35	67%
Younger Cows in 1st or 2nd Lactation with LD Genotype	50	73	23	59%
LD Foreign Cows with MACE in Canada	41	71	30	63%
1st Crop Progeny Proven Sires in Canada	86	89	3	51%
Foreign Sires with MACE in Canada	68	83	15	55%

Sub-Group for Jersey Breed	Average LPI Reliability (%)			
	Traditional	Genomics	Gain	DGV Weight
≥50K Young Bulls and Heifers with a Proven Sire	35	55	20	61%
Heifers with LD Genotype (Born 2013-2015)	29	49	20	63%
Younger Cows in 1st or 2nd Lactation with LD Genotype	50	62	12	55%
Foreign Cows with MACE in Canada	40	56	16	58%
1st Crop Proven Sires in Canada	79	81	2	51%
Foreign Sires with MACE in Canada	70	75	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	30	52	22	63%
Heifers with LD Genotype (Born 2013-2015)	28	51	23	65%
Younger Cows in 1st or 2nd Lactation with LD Genotype	45	61	16	58%
Foreign Cows with MACE in Canada	38	56	18	60%
1st Crop Proven Sires in Canada	70	75	5	52%
Foreign Sires with MACE in Canada	62	69	7	53%

Sub-Group for Ayrshire Breed	Average LPI Reliability (%)			
	Traditional	Genomics	Gain	DGV Weight
≥50K Young Bulls and Heifers with a Proven Sire	38	48	10	56%
Heifers with LD Genotype (Born 2013-2015)	32	43	11	57%
Younger Cows in 1st or 2nd Lactation with LD Genotype	50	58	8	54%
1st Crop Proven Sires in Canada	79	79	0	50%
Foreign Sires with MACE in Canada	63	67	4	52%