

Heritability Estimates Used for Genetic Evaluation in Canada - December 2016 -

Production Trait	HO	AY	JE	BS	GU	CN	MS
Milk Yield	28	32	33	28	31	31	31
Fat Yield	26	26	27	22	25	25	25
Protein Yield	26	29	29	25	28	28	28
Fat Percentage	Not Directly Used – Literature estimate is ~50%						
Protein Percentage	Not Directly Used – Literature estimate is ~50%						

Functional Traits	HO	AY	JE	BS	GU	CN	MS
Metabolic Disease Resistance	7	7	7	Not evaluated			
Mastitis Resistance	12	12	12	Not evaluated			
Somatic Cell Score	18	16	18	19	18	18	18
Lactation Persistency	20	23	21	17	21	21	21
Herd Life	10						
Calving Ability	3	4	2	3			
Daughter Calving Ability	7	5	9	7			
Milking Speed	14						
Milking Temperament	13						
Daughter Fertility	4	4	3	4			
Body Condition Score	24	19	18	18			

Major Type Trait	HO	AY	JE	BS	GU	CN	MS
Conformation (Final Score)	21	20	18	19			
Rump	23	14	13	14			
Feet & Legs	12	15	13	14			
Mammary System	24	18	16	17			
Dairy Strength	24	21	16	19			

Descriptive Type Trait	HO	AY	JE	BS	GU	CN	MS
Angularity	17	16	15	16			
Stature	45	38	36	37			
Height at Front End	24	18	18	18			
Chest Width	18	15	9	12			
Body Depth	29	28	27	27			
Loin Strength	19	15	17	16			
Pin Width	31	31	15	23			
Rump Angle	39	34	30	32			
Bone Quality	26	35	19	27			
Foot Angle	9	6	13	10			
Heel Depth	7	7	7	7			
Rear Legs Side View	20	20	18	19			
Rear Legs Rear View	11	18	7	12			
Udder Depth	42	32	38	35			
Udder Texture	14	16	10	13			
Median Suspensory	17	17	14	16			
Fore Attachment	24	26	25	25			
Fore Teat Placement	30	27	27	27			
Teat Length	30	31	22	27			
Rear Attachment Height	23	24	24	24			
Rear Attachment Width	20	21	17	19			
Rear Teat Placement	29	28	25	27			