



# Estimated February 2005 Genetic Base Changes for Non-Holstein Type Traits

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The following estimates are an approximation of what the base changes for type traits of non-Holstein breeds will be in February 2005:

Type trait	Ayrshire	Brown Swiss	Guernsey	Jersey	Milking Shorthorn
Final score	-.35	-.36	-.38	-.58	-.09
Stature	-.54	-.70	-.38	-.62	-.44
Strength	-.19	-.23	-.23	-.36	-.06
Dairy form	-.23	-.51	-.47	-.69	-.35
Foot angle	-.22	-.19	-.06	-.19	-.02
Rear legs (side view)	.00	.14	.04	-.12	-.05
Body depth	-.18	-.31	-.34	...	-.13
Rump angle	.12	-.11	-.15	-.12	-.06
Thurl width	-.36	-.23	-.26	-.31	-.06
Fore udder attachment	-.23	-.37	-.16	-.40	-.06
Rear udder height	-.40	-.58	-.57	-.62	-.12
Rear udder width	-.32	-.51	-.49	-.67	-.10
Udder depth	-.18	-.22	.01	-.12	-.12
Udder cleft	-.12	-.25	-.18	-.18	-.04
Front teat placement	-.13	-.23	-.17	-.39	.00
Teat length	-.04	.27	.20	-.07	.09

These estimates were calculated following August 2004 type evaluations. Actual base changes may be slightly different when calculated in February 2005. No based change is planned for Red and Whites because of insufficient available data.

The base change for each trait is defined as the difference between average predicted transmitting ability (PTA) of cows born in 2000 and the average PTA of cows born in 1995. A negative value indicates that the PTA for that trait will decrease by that amount because of the base change; a positive value indicates that the PTA for that trait will increase by that amount because of the base change.