

Phenotype Classifications

A Phenotype is the expression of physical traits as determined by our measurement data. EQUIX uses a dozen Phenotypes to show the relationship of a horse's Power, Stride, and Body Weight (or Trunk Size.) Phenotypes are used as a rough guide to quality, distance potential, and to project breeding consistency in both mares and stallions.

Power – muscling, size and leverage of the hindquarters and hind leg.

Stride – balance of front to back legs and the leg and cannon lengths.

Body Weight – length and breadth of the trunk, giving adequate body weight to process energy.

As these proportions vary, the horse adapts to speed and distance. Variations within each Type occur when the horse's efficiency of motion and heart capacity come into play. There are good and bad horses within each Phenotype.

The five general Phenotypes of the Thoroughbred

Type I – Power and Stride are balanced to the Body Weight

Type S – More Stride than Power (Sub-types IIS, S1, S2, S3)

Type P – More Power than Stride (Sub-types IIP, P1, P)

Type E – Light Body Weight for Power and Stride (Sub-types E1 and E)

Type W – Heavy Body Weight for Power and Stride (Sub-types IIW and W)