

Name _____

Hour _____

Lab: Human Genetic Traits

DIRECTIONS:

Interview students in the class to find how many express the dominant or recessive condition for the traits below.

DATA:

| TRAIT | dominant description | your phenotype | your genotype | # of students with DOMINANT phenotype | # of students with RECESSIVE phenotype |
|---------------------------|--|----------------|---------------|---------------------------------------|--|
| Tongue Rolling C | Able to curl tongue from the sides | | | | |
| Widow's Peak Hair W | A downward point in the front hairline | | | | |
| Hair Whorl C | The hair on the top-back of your head turns clockwise | | | | |
| Ear Lobes F | Lobes that hang free are dominant; attached are recessive | | | | |
| Eye Shape A | Almond shaped eyes are dominant over round eyes | | | | |
| Lip Thickness T | Thick lips are dominant over thin lips | | | | |
| Eyelash Length L | Long eyelashes are dominant | | | | |
| Freckles F | Freckles are dominant | | | | |
| Dimples D | Dimples are dominant | | | | |
| Hitchhiker's Thumb H | Able to bend the thumb backward at least 45 is dominant | | | | |
| Big Toe S | A big toe that is shorter than the second toe is dominant | | | | |
| Mid-Digit Hair H | Hair on the back of your fingers is dominant | | | | |
| Interlocking Fingers L | Dominant if your left thumb is on top of your right. | | | | |
| Palmar Muscle T | Dominant have two tendons in their wrist; Recessive have three tendons | | | | |
| Polydactyly P | Having an extra toe or finger is dominant | | | | |
| Syndactyly W | Having webbed toes or fingers is dominant | | | | |