|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Phenotypes** | **Tyga** | **Harry Styles** | **Aaron Rodgers** | **Kendrick Lamar** | **Lonzo Ball** | **Bruno Mars** | **Offset** | **Drake** |
| **1** | **Gender** | XY | XY | XY | XY | XY | XY | XY | XY |
| **2** | **Blood type** | AB | O | B | A | A | B | O | AB |
| **3** | **Hairline** | hh | hh | HH | HH | Hh | Hh | Hh | HH |
| **4** | **Dimples** | DD | Dd | dd | DD | Dd | dd | Dd | DD |
| **5** | **Nose Shape** | NN | Nn | nn | NN | Nn | nn | NN | NN |
| **6** | **Chin Shape** | Cc | CC | Cc | CC | Cc | CC | CC | CC |
| **7** | **Face shape** | FF | Ff | Ff | FF | ff | FF | FF | Ff |
| **8** | **Earlobes** | EE | EE | Ee | Ee | ee | ee | Ee | EE |
| **9** | **Freckles** | KK | kk | Kk | Kk | KK | kk | KK | Kk |
| **10** | **Skin Color** | SS | ss | ss | SS | Ss | Ss | SS | Ss |
| **11** | **Hair Color** | LL | ll | Ll | LL | LL | LL | LL | LL |
| **12** | **Eye Color** | IIJJ | iiJJ | iijj | IIJJ | iiJj | IIJJ | IIJJ | IIJJ |
| **13** | **Hair Texture** | IITT | iiTT | iitt | IITT | IITT | IItt | IITT | IITT |

**Chart one (Male Celebrities)**

**Chart 2 (Female Celebrities)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Phenotypes** | **Halsey** | **Rihanna** | **Beyonce** | **Becky G** | **Kylie Jenner** | **Cardi B** | **Nicki Minaj** | **Jennifer Lawrence** |
| **Gender** | XX | XX | XX | XX | XX | XX | XX | XX |
| **Blood type** | AB | O | B | A | A | B | O | AB |
| **Hairline** | Hh | Hh | Hh | HH | hh | Hh | Hh | hh |
| **Dimples** | Dd | dd | DD | dd | DD | Dd | Dd | dd |
| **Nose Shape** | NN | nn | Nn | Nn | NN | Nn | NN | nn |
| **Chin Shape** | CC | CC | Cc | cc | CC | Cc | Cc | Cc |
| **Face shape** | Ff | Ff | Ff | FF | FF | Ff | Ff | Ff |
| **Earlobes** | EE | EE | Ee | Ee | ee | ee | Ee | EE |
| **Freckles** | Kk | Kk | KK | KK | Kk | Kk | KK | kk |
| **Skin Color** | ss | Ss | SS | Ss | ss | Ss | SS | ss |
| **Hair Color** | Ll | LL | Ll | Ll | Ll | LL | LL | ll |
| **Eye Color** | IIJJ | IIjJ | IIJJ | IiJj | IIJJ | IIJJ | IIJJ | iijj |
| **Hair Texture** | iiTT | IITT | iiTT | iiTT | iitt | IITT | IITT | IItt |

|  |  |
| --- | --- |
| **Chart 3 offspring genotype and phenotype**  **Trait** | **Genotype and Phenotype** |
| **Gender** | XX= Female  XY= Male |
| **Blood type** | AA, AO= Type A  AB= Type AB  BB, BO= Type B  O,O= Type O |
| **Hairline** | HH, Hh= Straight Hairline  hh= Widow’s Peak |
| **Dimples** | DD, Dd= no dimples  dd= Dimples |
| **Nose Shape** | NN, Nn= round nose  nn= pointy nose |
| **Chin Shape** | CC, Cc= Round Chin  cc= Cleft chin |
| **Face shape** | FF= Round head shape  Ff, fF= Oval head shape  ff= square headshape |
| **Earlobes** | EE, Ee= unattached earlobes  ee= Attached earlobes |
| **Freckles** | KK, Kk= no freckles  kk= Freckles |
| **Skin Color** | SS= Black  Ss= brown  ss= White |
| **Hair Color** | LL=Black  Ll= Brown  ll= blonde |
| **Eye Color** | IIJJ= Brown  IIJj Amber  IiJj= Brown Green (hazel)  iiJJ= Green  iiJj= Green blue (hazel)  iijj= Blue |
| **Hair Texture** | IITT=Supercurly (kinky)  IItt= curly  iiTT=Wavy  iitt= Straight |

Blue/ Grey = Dihybrid cross linkage

Red= traits that exhibit incomplete dominance

Green= Incomplete dominance and dihybrid cross!