**Supplemental Table:** Single alleles identified by race/ethnicity in bloodspots from infants who passed NHS

|  |  |  |
| --- | --- | --- |
| Race/ethnicity  (number) | Pass group  mono-allelic mutations (number) | Total |
| Asian (41) | p.V37I (3), p.V27I,E114G (1) | 4 |
| African American (68) | c.35delG (1), p.Q80X (1) | 2 |
| Hispanic (74) | p.V27I,E114G (1), p.V37I (1), p.M34T (1), p.S139N (1) | 4 |
| Native American (25) | p.A171T (1) | 1 |
| Other/Unreported (151) | c.35delG (6) | 6 |
| Caucasian (818) | c.35delG (23), c.35InsG (1), p.V37I (6), p.M34T (2), c.167delT (1), p.S139N (1), p.N206S (1) | 35 |
| Total |  | 52 |

**Supplemental Table**: Single alleles identified by race/ethnicity in bloodspots from infants in the refer group.

|  |  |  |
| --- | --- | --- |
| Race/ethnicity  (number) | Refer group  mono-allelic mutations (number) | Total |
| Asian (67) | p.V37I (12) | 12 |
| African American (85) | c.35delG (2), p.V37I (2) | 4 |
| Hispanic (120) | p.G12D (1), c.35delG (1), p.V37I (1), p.M34T (1), p.K168R (1) | 5 |
| Native American (26) | p.G11C (1), p.I23N (1), p.E147K (1) | 3 |
| Other/Unreported (173) | c.35delG (5), p.V37I (1), c.167delT (1) | 7 |
| Caucasian (706) | c.35delG (28), p.V37I (3), p.M34T (1), c.167delT (1) | 33 |
| Total |  | 63 |