**Repping *et al.*,** *Polymorphism for a 1.6-Mb deletion of the human Y chromosome persists through balance between recurrent mutation and haploid selection*

**Supplementary Table 2.** Initial screen, prevalence of the gr/gr deletion by Y haplotype. The gr/gr deletion was found in five Y haplotypes present in both groups of men (spermatogenic failure and unknown spermatogenic phenotype). These five haplotypes are shaded. In all five haplotypes the frequency of the gr/gr deletion allele is higher among men with spermatogenic failure.

| | Spermatogenic failure | | Unknown spermatogenic phenotype | |
|---|---|---|---|---|
| Haplotype [a] | # men tested | % with gr/gr deletion | # men tested | % with gr/gr deletion |
| A | 0 | - | 8 | 0 |
| B | 0 | - | 3 | 0 |
| DE*(xD2b) | 49 | **4.1** | 14 | **0** |
| D2b | 0 | - | 2 | 100 |
| C | 2 | 0 | 1 | 0 |
| F(xJ,xK) | 82 | **4.9** | 36 | **0** |
| J | 62 | **6.5** | 17 | **5.9** |
| K(xP) | 21 | **4.8** | 37 | **2.7** |
| P(xR1a) | 218 [b] | **1.8** | 83 [c] | **0** |
| R1a | 37 | 0 | 14 | 0 |
| Total | 471 [b] | | 215 [c] | |

[a] See **Supplementary Table 7**.

[b] Two of the original 473 men screened for the gr/gr deletion were excluded (WHT3107 for a 47,XYY karyotype; WHT3173 for a b2/b4 duplication, see **Figure 3** main text and **Supplementary Table 1**).

[c] One of the 216 men screened for the gr/gr deletion was excluded for a b2/b4 duplication (PD0267; **Supplementary Table 1**).