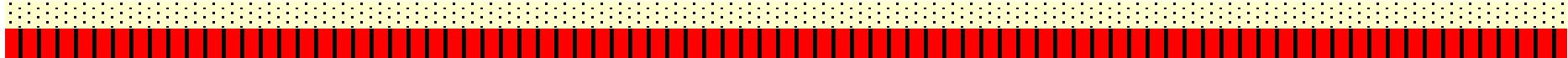
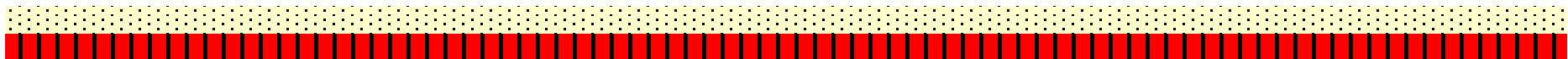


**DYS385a** **DYS385b** **DYS388** **DYS389i** **DYS389ii** **DYS390** **DYS391** **DYS392** **DYS393** **DYS 19/394**



**DYS 454** **DYS 455** **DYS 456** **DYS458** **DYS459a** **DYS459b** **DYS460** **DYS464a** **DYS464b** **DYS464c**



FTDNA 67

Data for Cost Benefit Analysis of attempt to expand useful knowledge in the DE spelling lines.

**DYF395 S1a** **DYF395 S1b** **413a** **413b** **425** **DYS436** **DYS450** **DYS 472** **DYS487** **DYS490**



**DYS576** **DYS578** **DYS590** **DYS594** **DYS617** **DYS640** **DYS641**



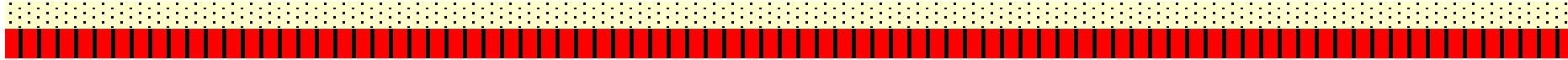
DNA Heritage standard 43 mmarkers

**DYS 441** **DYS445** **DYS452** **DYS461** **DYS462** **DYS463** **DYS508** **DYS522** **DYS527a** **DYS527b**



85 unique markers in total can be tested for a price of 287 + 104 or ~\$400. by me. So with both a 67 FTDNA and 15 marker upgrade at DNAH we would be adding 42 new markers available for comparison. That would drop price per marker down to a little less than \$10.

**DYS426    DYS 437    DYS438    DYS439    DYS442    DYS444    DYS446    DYS447    DYS448    DYS449**



**DYS464d    DYS481    DYS570    DYS576    DYS607    CDY/724 a    CDY/724 b    YCAIIa    YCAIIb    GATA  
H4.1/    TAGA    H4**



DNA Heritage +15 markers

40 Markers in common if have all 58 markers tested (43 +15) at DNAH.. So if I added the extra 15 we would have 40 marrkners upon which to compare with FTDNA. But we already know that there is not much if any variance within 34 of these markers.

**DYS492    DYS511    DYS520    DYS531    DYS534    DYS537    DYS557    DYS565    DYS568    DYS572**



Prepared first of August

27 markers unique to FTDNA for \$287 or "\$14 and change per marker. These 27 would be where we would hope to see some variance

**DYS549    DYS552    DYS552DP  
1    DYS627    DYS643    DYS6  
35/  
GAT  
A C4    GATAA10    GGAA  
T1B0  
7**



18 markers unique to DNA Heritage, half of which are added with the extra \$104. .