GoldenPath human genome draft

1) six-frame tblastn

2) merge and extend

3) S-W re-alignment

4) merge with Ensembl RP genes (+5)

ψg candidates (2536)

5) checking for long gaps

Yes

6) compare with GenBank and cytogenic map

RP genes (72)

duplicated RP genes (16)

> 70% protein length?

No

Yes

fragments (358)

intact processed ψg (1912)

disrupted processed ψg (178)

Total processed ψg (2090)