Homology searches for group I introns in archaea

- * downloaded all archaeal sequences in GenBank (6.7 Gb as of Sept 2017)
- * searched archaeal sequences with all GISSD models + RF00028 with default cmsearch parameters and with --anytrunc
- * 95 non-overlapping hits with E < 0.01 corresponding to 39 group I intron candidates(\$) (12 IA3 and 27 IB4)
- * 30/39 introns have at least one hit with E < 1E-10
- * 36 within LSU rRNA, 3 within SSU rRNA
- * All IA3s are in one of two LSU insertion positions:
 - LSU/2593 (N=10)
 - LSU/2500 (N=2)
- * All IB4s are in one of two LSU insertion positions and one SSU position:
 - LSU/1931 (N=15)
 - LSU/1923 (N=9)
 - SSU/1498 (N=3)

(\$) as determined via manual sequence analysis by Tom Jones

