

## BI:

### Settings used

alignment : .\18S\_28S\_COI\_ITS2.phy

branchlengths : linked

models : JC, K80, SYM, F81, HKY, GTR, JC+G, K80+G, SYM+G, F81+G, HKY+G, GTR+G, JC+I, K80+I, SYM+I, F81+I, HKY+I, GTR+I, JC+I+G, K80+I+G, SYM+I+G, F81+I+G, HKY+I+G, GTR+I+G

model\_selection : bic

search : greedy

### Best partitioning scheme

Scheme Name : start\_scheme

Scheme lnL : -27683.3265991

Scheme BIC : 56601.7748511

Number of params : 154

Number of sites : 3042

Number of subsets : 6

Subset	Best Model	# sites	subset id	Partition names
1	SYM+I+G	1009	dbb1f009713256a64f462726a798bb1a	18S
2	SYM+G	832	c729b917f2760198563c64c7ad1a18e0	28S
3	HKY+G	220	68cb7022a49e378ae32b5449767de049	COI_pos2
4	SYM+I+G	219	bd8c5da9f24caf3f895ae5efeece8d69	COI_pos3
5	GTR+I+G	219	96289259977b5b0f7ffd7a1547dab639	COI_pos1
6	K80+I+G	543	50502d25058bd24193dccfc87b432c53	ITS2

## ML:

### Scheme BIC for different GTR models:

GTR 60167.5709396

GTR+G 56766.7606776

GTR+I 57932.8285487

GTR+I+G 56700.1250983