```
midas g 534 - midas s 5291 - Hjor.155 01030
Bryobacter - midas s 6438 - Kalu.261 03037
Bryobacter - midas s 3298 - Fred.662 01773 (split)
Paludibaculum - midas s 675 - Skiv.396 00856 (split)
QUERY - K. xylinus - bcsAI
Rhodoferax - midas s 901 - Aved.394 03919
Rhodoferax - midas s 901 - EsbW.485 3737-3736
Dechloromonas - midas s 173 - EsbW.050 03083
Dechloromonas - midas s 173 - Hade.364 03000
Dechloromonas - midas s 173 - Skiv.sub 00765
Nitrotoga - midas s 181 - OdNE.187 01449
Nitrotoga - midas s 181 - Skiv.176 1730-1729
Simplicispira - Simplicispira limi - EsbW.453 01813
Rhodoferax - midas s 4982 - Bjer.458 00257
Rhodoferax - midas s 4982 - Bjer.458 01831
consensus
```

```
GQRSRWC
KQRMRWA
             372
             353
GQRIRWA
             374
GQRIRWA
             372
GQRMRWA
             374
             390
GQRĪRWA
GQRIRWA
             365
GQRIRWA
             495
GQRIRWA
             495
GQRIRWA
             495
GQRIRWA
             483
GQRIRWA
             483
GQRIRWA
             459
GQR<mark>M</mark>RWA
GQR<mark>M</mark>RWA
             493
             202
*!!*!!*
```

non-conserved

 $\geq$  50% conserved