Figure 6

A

1. Species A → Species B
   TBlastX (1) → Sub-set of B
   TBlastX (2) → Species A → Sub-set of A

2. A1 → B1 → AX
   AX = A1 or AX similar to A1?
   Yes
   No
   Discard

3. Sub-set of Sub-set of A → BlastX → Swissprot → Species B best hit

B

A1 B1
B2 A2

Best reciprocal blast hit

Duplication event.

A and B: two different species
1 and 2: two different sequences

The corresponding sequences are unknown