Figure 1

Ox2R (444 aa)
s-w opt: 49 Z-score: 92.8 bits: 21.9 E(6): 0.014
Smith-Waterman score: 49; 53.8% identity (76.9% similar) in 13 aa overlap (6-17:34-46)

```
                                      10         20
NP179A                             RELILYDKEE-IRRIWRQANNG
                                      :: :: .: .:::.
Ox2R   TKLEDSPPCRNWSSASELNETQEPFLNPTDYDDEEFLRYLWREYLHPKEYEWVLIAGYII
            10        20        30        40        50        60

Ox2R   VFVVALIGNVLVCVAVWKNHHMRTVTNYFIVNLSLADVLVTITCLPATLVVDITETWFFG
            70        80        90       100       110       120
```

Ox1R (425 aa)
s-w opt: 44 Z-score: 82.0 bits: 19.9 E(6): 0.055
Smith-Waterman score: 44; 45.5% identity (72.7% similar) in 11 aa overlap (6-16:27-37)

```
                                   10        20
NP179A                          RELILYDKEEIRRIWRQANNG
                                   :. : .: .::
Ox1R   MEPSATPGAQMGVPPGSREPSPVPPDYEDEFLRYLWRDYLYPKQYEWVLIAAYVAVFVVA
               10        20        30        40        50        60

Ox1R   LVGNTLVCLAVWRNHHMRTVTNYFIVNLSLADVLVTAICLPASLLVDITESWLFGHALCK
               70        80        90       100       110       120
```

Ox2R (444 aa)
s-w opt: 50 Z-score: 93.1 bits: 22.0 E(6): 0.013
Smith-Waterman score: 50; 53.8% identity (76.9% similar) in 13 aa overlap (6-17:34-46)

```
                                      10         20
NPX181                             RELILYDKEE-MRRIWRQANNG
                                      :: :: .: .:::.
Ox2R   TKLEDSPPCRNWSSASELNETQEPFLNPTDYDDEEFLRYLWREYLHPKEYEWVLIAGYII
            10        20        30        40        50        60

Ox2R   VFVVALIGNVLVCVAVWKNHHMRTVTNYFIVNLSLADVLVTITCLPATLVVDITETWFFG
            70        80        90       100       110       120
```

Ox1R(425 aa)
s-w opt: 45 Z-score: 82.7 bits: 20.0 E(6): 0.051
Smith-Waterman score: 45; 45.5% identity (72.7% similar) in 11 aa overlap (6-16:27-37)

```
                                   10        20
NPX181                          RELILYDKEEMRRIWRQANNG
                                   :. : .: .::
Ox1R   MEPSATPGAQMGVPPGSREPSPVPPDYEDEFLRYLWRDYLYPKQYEWVLIAAYVAVFVVA
               10        20        30        40        50        60

Ox1R   LVGNTLVCLAVWRNHHMRTVTNYFIVNLSLADVLVTAICLPASLLVDITESWLFGHALCK
               70        80        90       100       110       120
```