

Figure 1

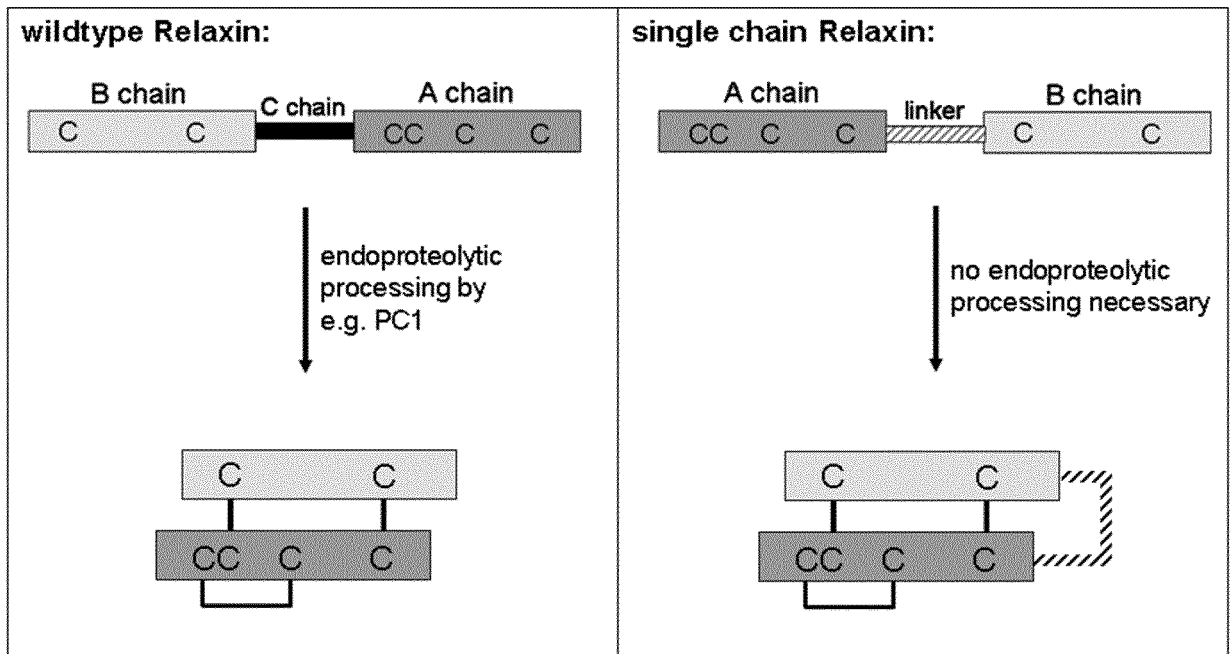


Figure 2

| Clone             | Construct                                         |
|-------------------|---------------------------------------------------|
| <b>hRelaxin 2</b> | B C A                                             |
| <b>scR1</b>       | Myc A 3aaGS B FXa HA His                          |
| <b>scR2</b>       | Myc A 5aaGS B FXa HA His                          |
| <b>scR3</b>       | Myc A 7aaGS B FXa HA His                          |
| <b>scR4</b>       | Myc A 9aaGS B FXa HA His                          |
| <b>scR5</b>       | Myc A 11aaGS B FXa HA His                         |
| <b>scR6</b>       | Myc A 15aaGS B FXa HA His                         |
| <b>scR7</b>       | Myc A 6aaGS B                                     |
| <b>scR8</b>       | Myc A 12aaGS B                                    |
| <b>scR9</b>       | Myc A 13aaGS B                                    |
| <b>scR10</b>      | Myc A 14aaGS B                                    |
| <b>scR11</b>      | A 9aaGS + C B                                     |
| <b>scR12</b>      | A 9aaGS + K B                                     |
| <b>scR13</b>      | A short linker B                                  |
| <b>scR14</b>      | A <sub>(RLN3)</sub> 9aaGS B <sub>(RLN3)</sub>     |
| <b>scR15</b>      | Myc A <sub>(RLN3)</sub> 9aaGS B <sub>(RLN3)</sub> |
| <b>scR16</b>      | Myc B <sub>(RLN2)</sub> 9aaGS A <sub>(RLN2)</sub> |
| <b>scR17</b>      | Myc A <sub>(RLN3)</sub> 9aaGS B <sub>(RLN2)</sub> |
| <b>scR18</b>      | Myc B <sub>(RLN2)</sub> 9aaGS A <sub>(RLN3)</sub> |
| <b>scR19</b>      | Myc A <sub>(RLN2)</sub> 9aaGS B <sub>(RLN3)</sub> |
| <b>scR20</b>      | Myc B <sub>(RLN3)</sub> 9aaGS A <sub>(RLN2)</sub> |

Figure 3

| Clone      | Construct                                        |
|------------|--------------------------------------------------|
| Relaxin Fc | B C A FXa hlgG1 Fc                               |
| scR-Fc 1   | Myc A 9aaGS B FXa hlgG1 Fc                       |
| scR-Fc 2   | A 9aaGS B GGSP hlgG1 Fc                          |
| scR-Fc 3   | A 9aaGS B (GGG) <sub>2</sub> P hlgG1 Fc          |
| scR-Fc 4   | A 9aaGS B (GGG) <sub>3</sub> P hlgG1 Fc          |
| scR-Fc 5   | hlgG1 Fc GGSP A 9aaGS B                          |
| scR-Fc 6   | hlgG1 Fc (GGG) <sub>2</sub> P A 9aaGS B          |
| scR-Fc 7   | hlgG1 Fc (GGG) <sub>3</sub> P A 9aaGS B          |
| scR-Fc 8   | A 9aaGS B GGSP rlgG2b Fc 6 X His                 |
| scR-Fc 9   | A 9aaGS B (GGG) <sub>2</sub> P rlgG2b Fc 6 X His |
| scR-Fc 10  | A 9aaGS B (GGG) <sub>3</sub> P rlgG2b Fc 6 X His |
| scR-Fc 11  | 6 X His rlgG2b Fc GGSP A 9aaGS B                 |
| scR-Fc 12  | 6 X His rlgG2b Fc (GGG) <sub>2</sub> P A 9aaGS B |
| scR-Fc 13  | 6 X His rlgG2b Fc (GGG) <sub>3</sub> P A 9aaGS B |
| scR-Fc 14  | A 9aaGS B hlgG1 Fc                               |
| scR-Fc 15  | A 9aaGS B (GS) <sub>3</sub> hlgG1 Fc             |
| scR-Fc 16  | A 9aaGS B (GS) <sub>3</sub> C del. hlgG1 Fc      |
| scR-Fc 17  | A 9aaGS B (GS) <sub>3</sub> rlgG2b Fc            |
| scR-Fc 18  | A 9aaGS B linker hlgG1 Fc                        |
| scR-Var1   | A 9aaGS B PEG linker                             |
| scR-Var2   | PEG linker A 9aaGS B                             |
| scR-Var3   | Transferrin FXa A 9aaGS B                        |
| scR-Var4   | Transferrin FXa B C A                            |
| scR-Var5   | Albumin FXa A 9aaGS B                            |
| scR-Var6   | Albumin FXa B C A                                |
| scR-Var7   | A linker B FXa hlgG1 Fc                          |
| scR-Var8   | hlgG1 Fc FXa A linker B                          |

Figure 4a

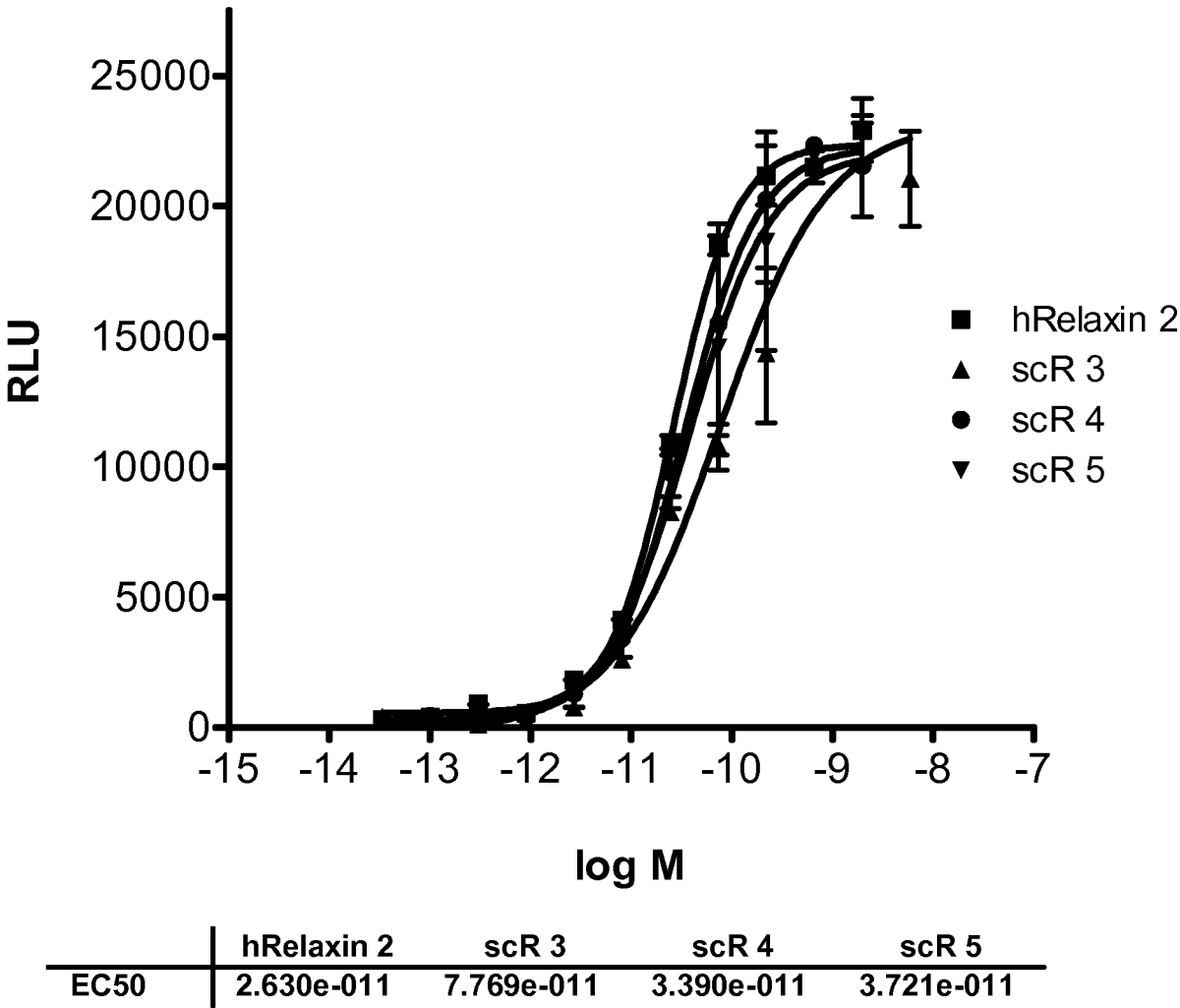


Figure 4b

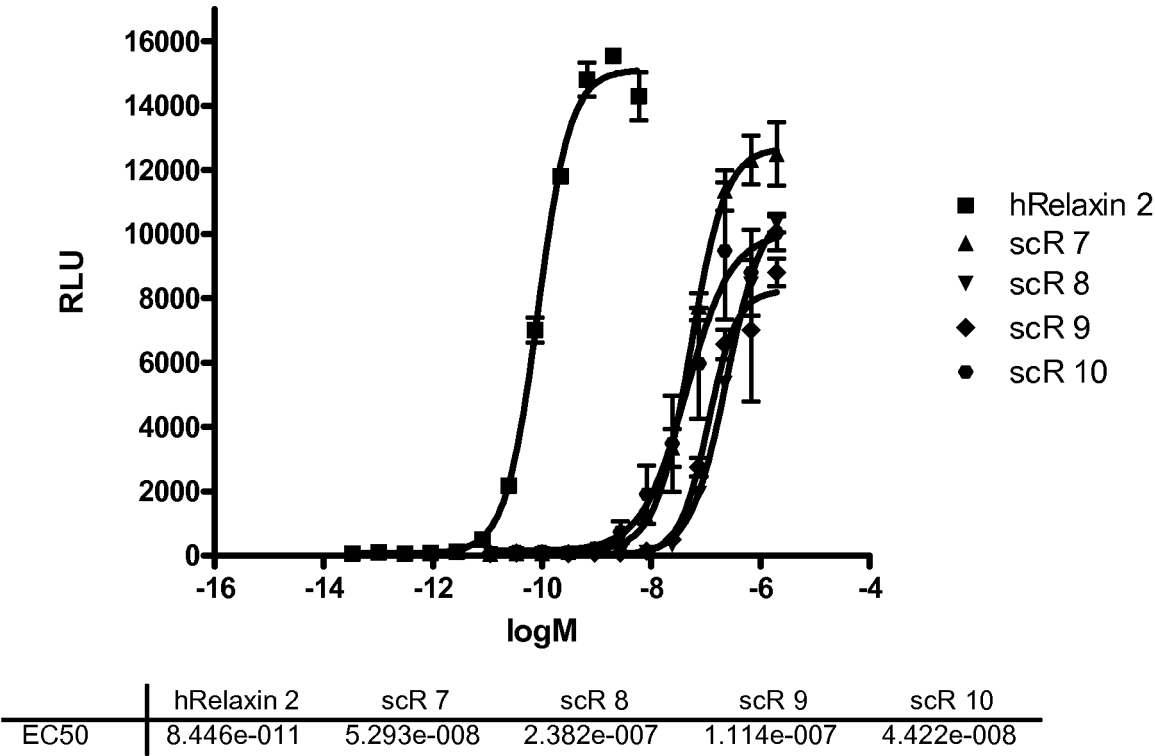
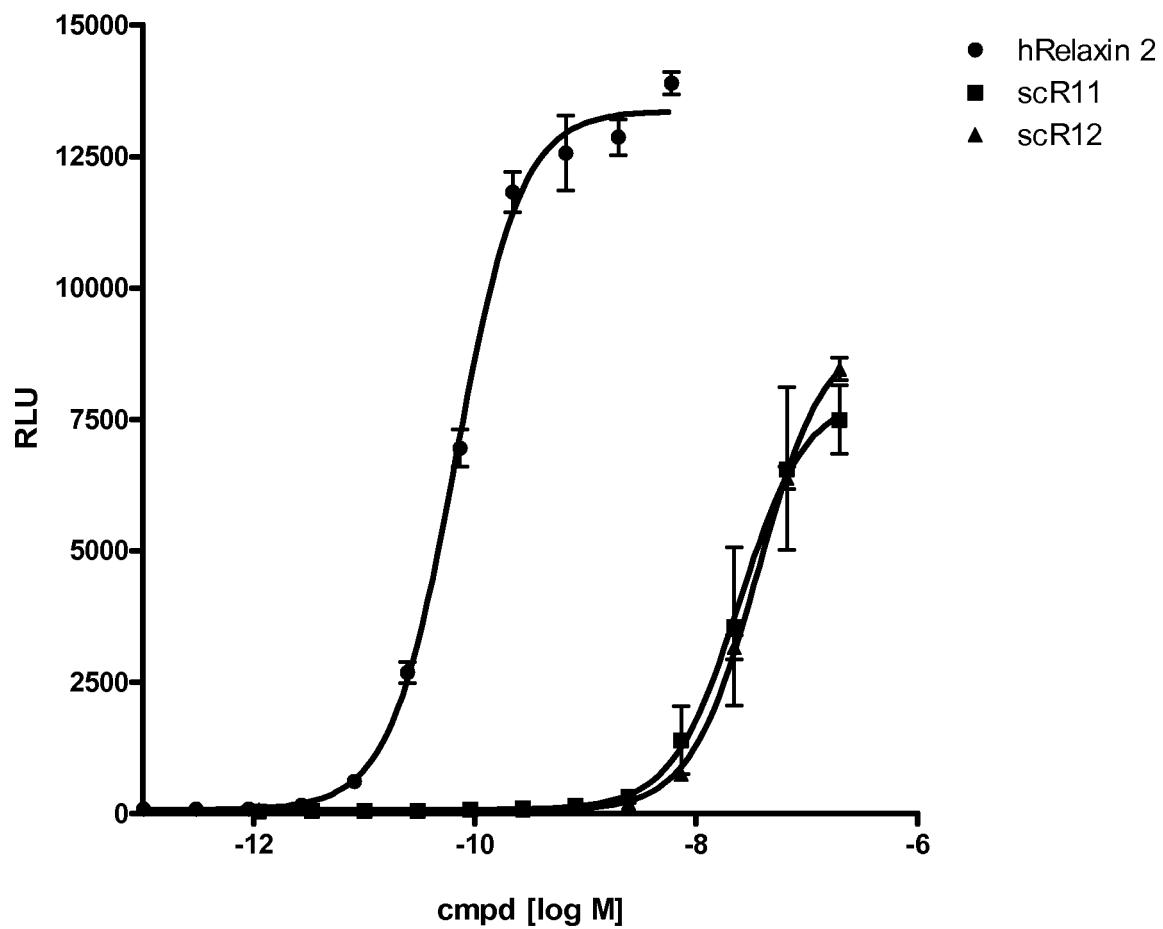
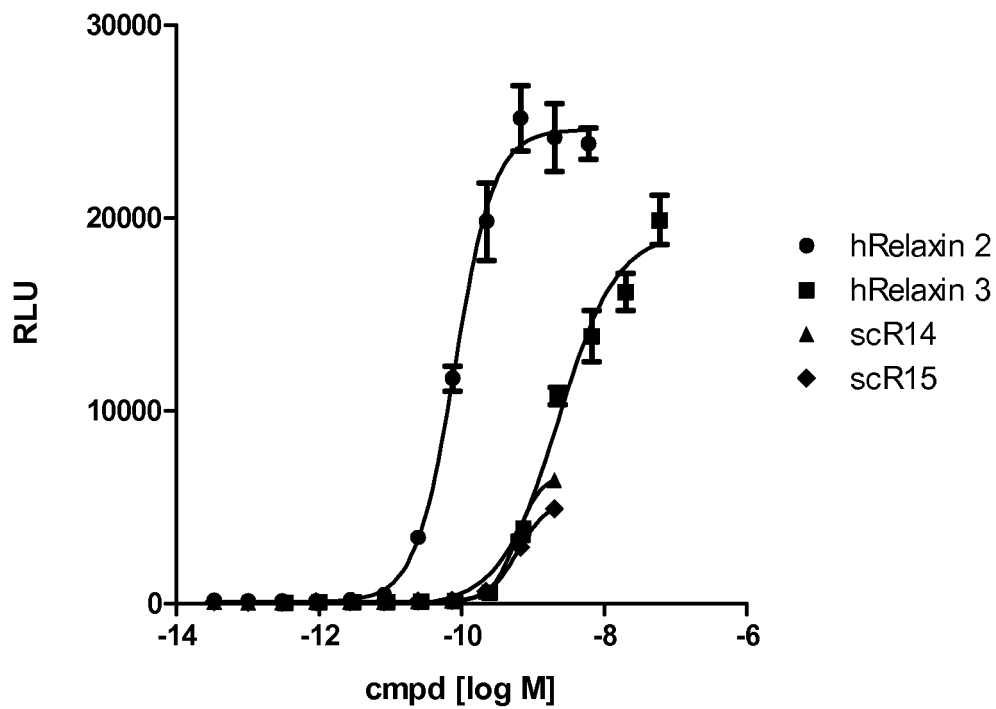


Figure 4c



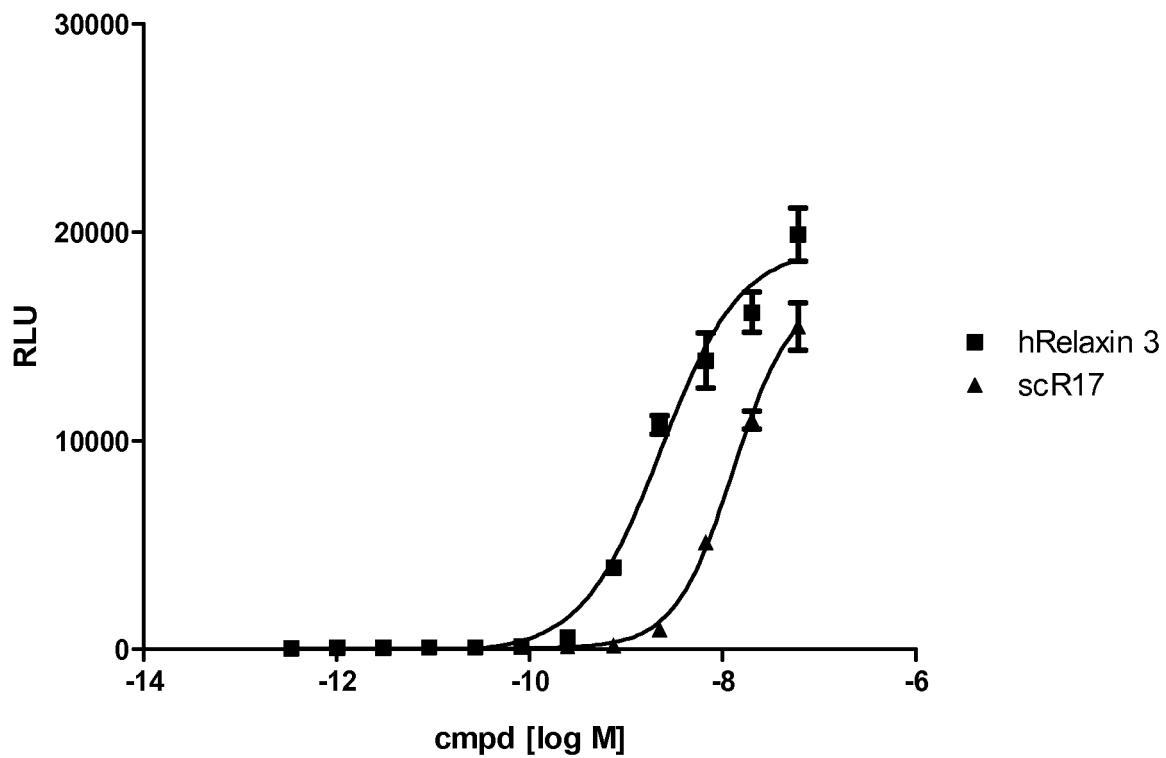
|      |            |            |            |
|------|------------|------------|------------|
|      | hRelaxin 2 | scR11      | scR12      |
| EC50 | 6.746e-011 | 2.469e-008 | 3.640e-008 |

Figure 4d



|      | hRelaxin 2 | hRelaxin 3 | scR14      | scR15      |
|------|------------|------------|------------|------------|
| EC50 | 8.104e-011 | 2.297e-009 | 5.891e-010 | 6.185e-010 |

Figure 4e



|      |            |            |
|------|------------|------------|
|      | hRelaxin 3 | scR17      |
| EC50 | 2.297e-009 | 1.286e-008 |

Figure 5

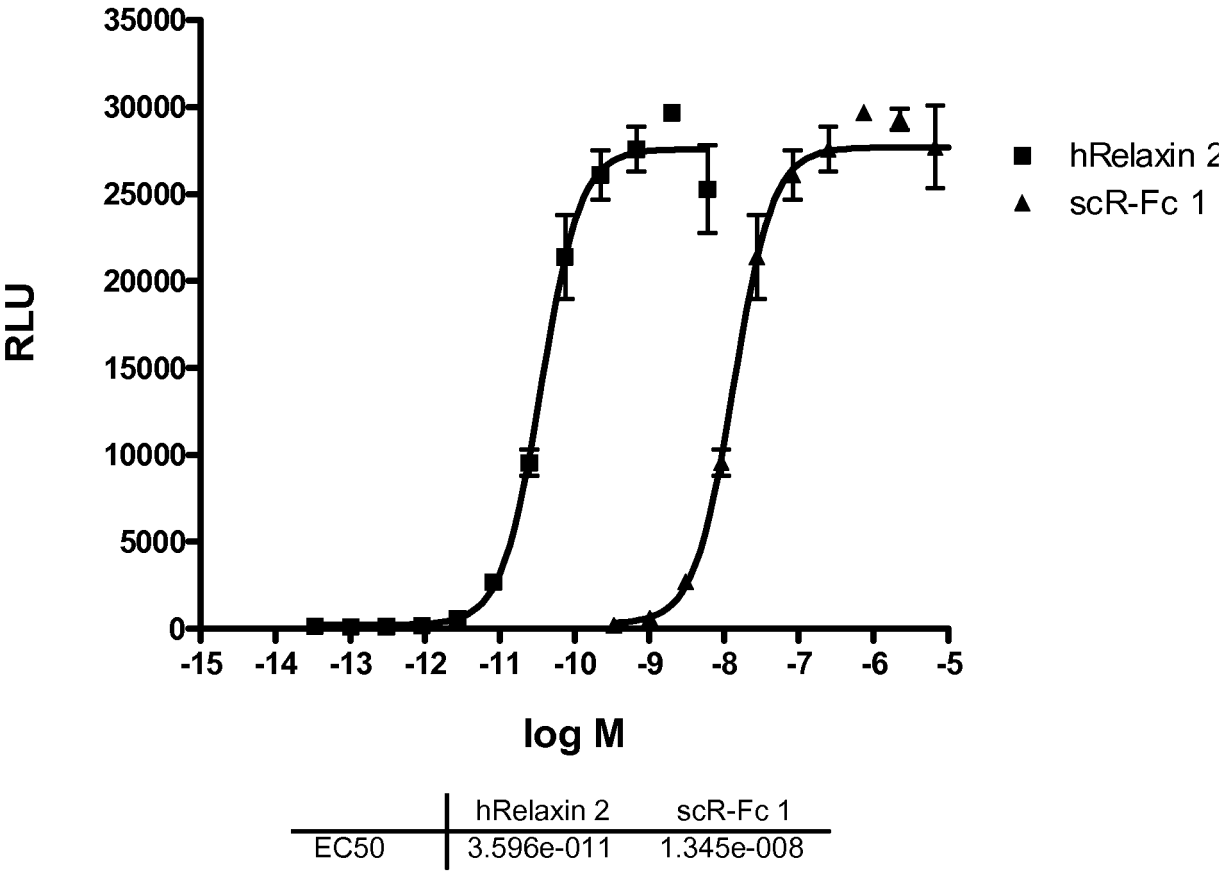
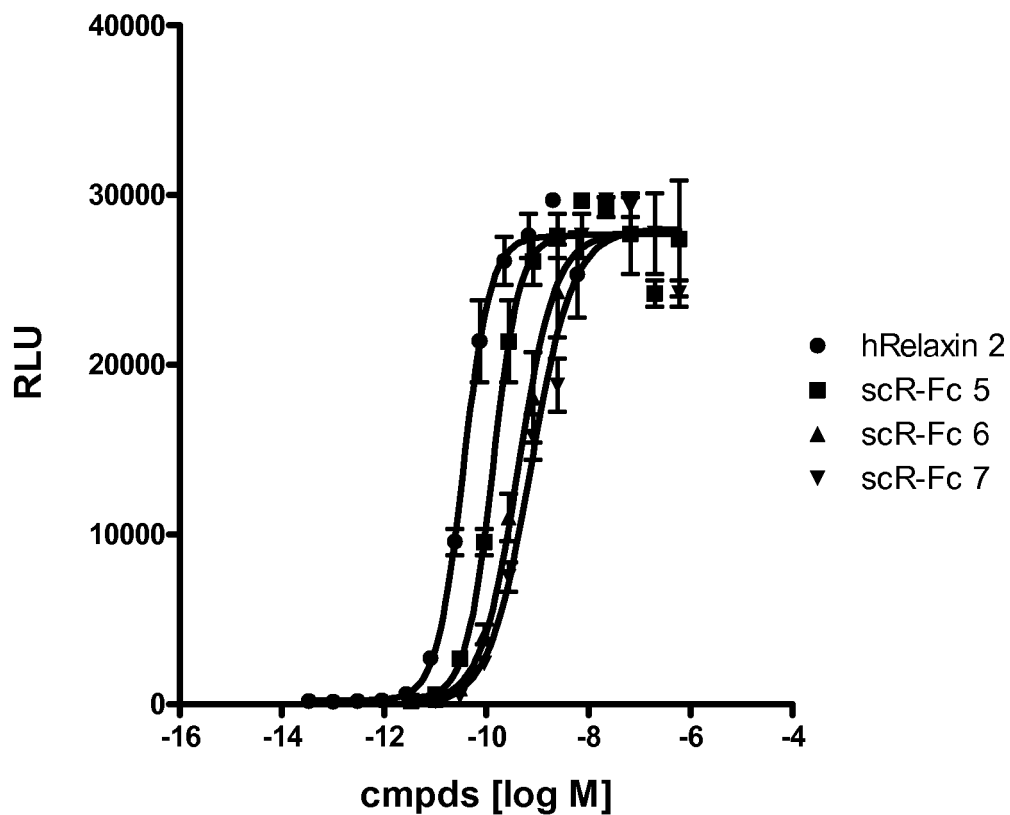
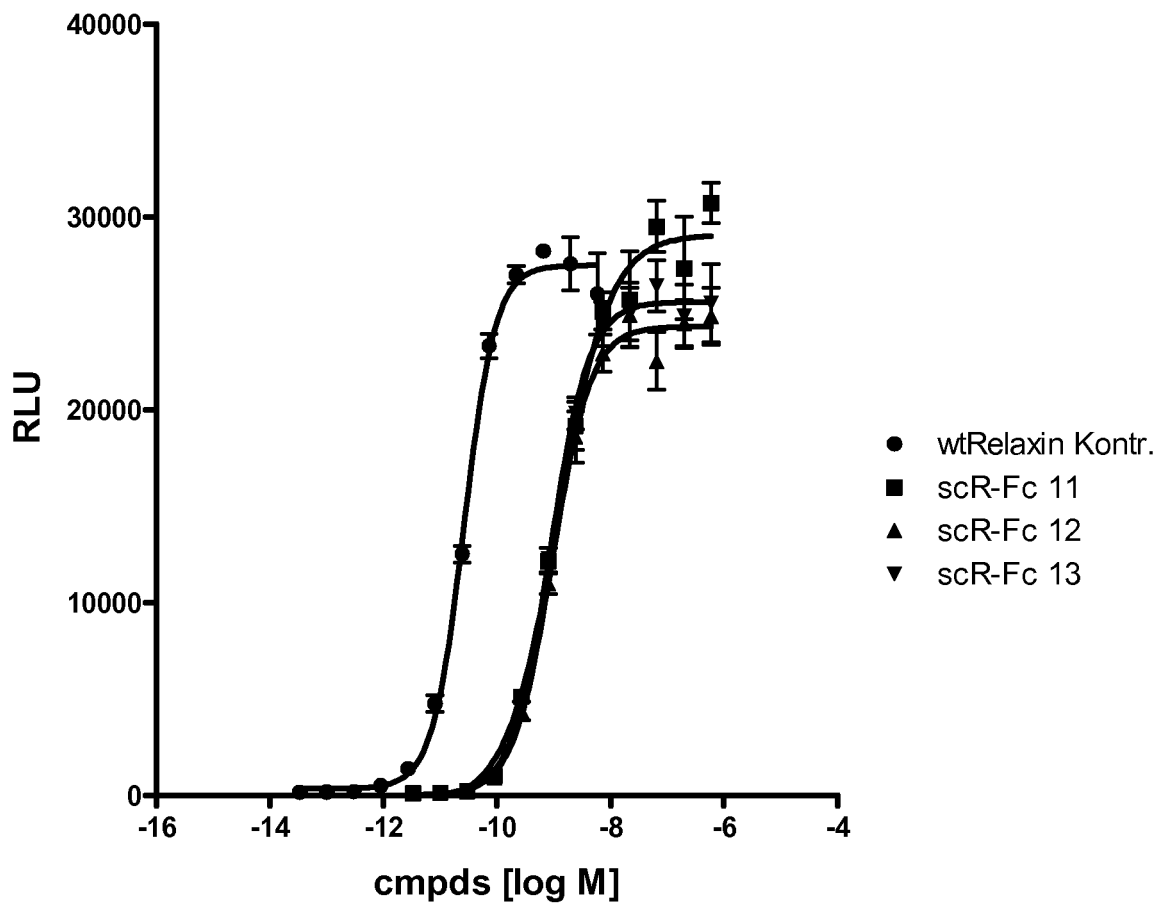


Figure 6



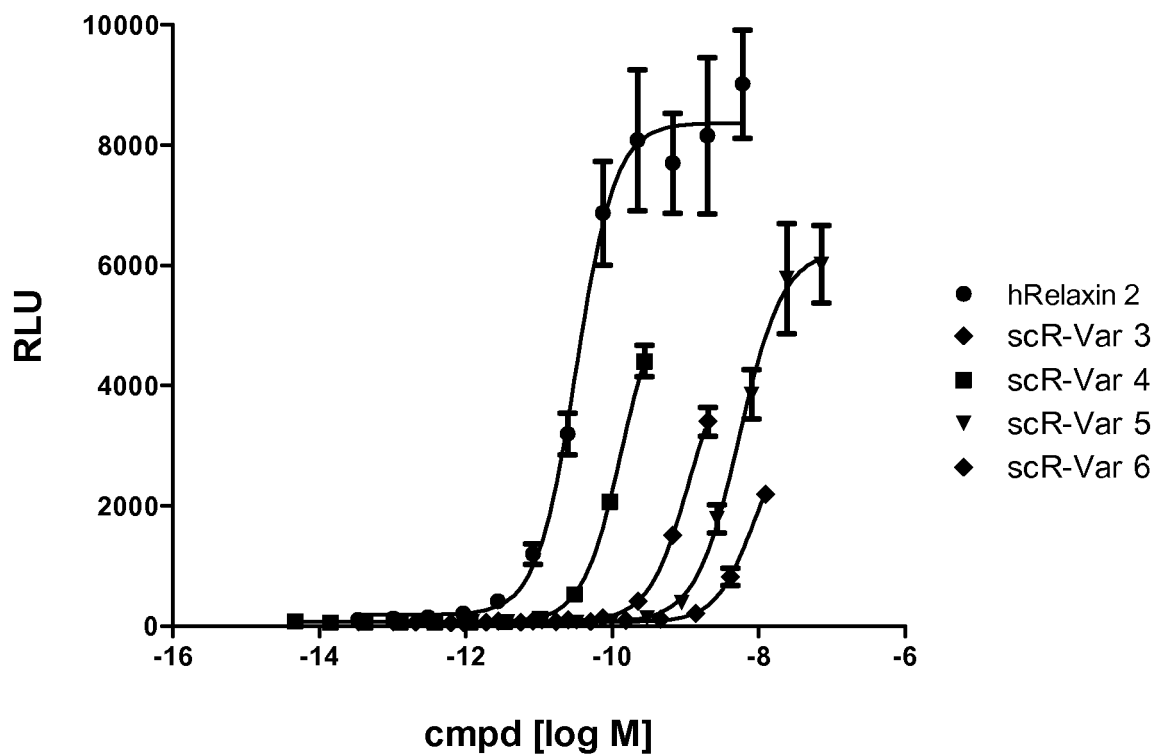
|      | hRelaxin 2 | scR-Fc 5   | scR-Fc 6   | scR-Fc 7   |
|------|------------|------------|------------|------------|
| EC50 | 3.595e-011 | 1.346e-010 | 4.232e-010 | 7.411e-010 |

Figure 7



|      | wtRelaxin Kontr. | scR-Fc 11  | scR-Fc 12  | scR-Fc 13  |
|------|------------------|------------|------------|------------|
| EC50 | 2.664e-011       | 1.204e-009 | 9.530e-010 | 8.953e-010 |

Figure 8



|      | hRelaxin 2 | scR-Var 3  | scR-Var 4  | scR-Var 5  | scR-Var 6  |
|------|------------|------------|------------|------------|------------|
| EC50 | 3.243e-011 | 1.119e-009 | 1.305e-010 | 5.508e-009 | 8.368e-009 |

Figure 9

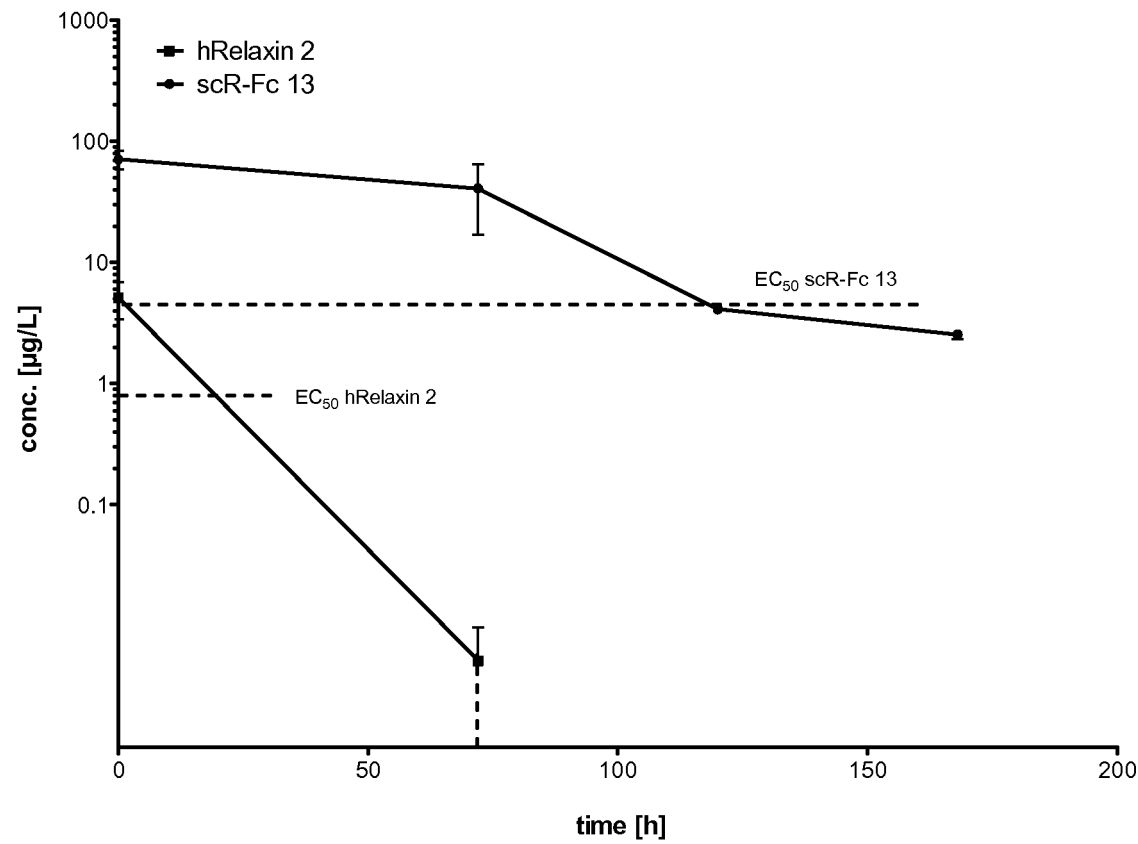


Figure 10

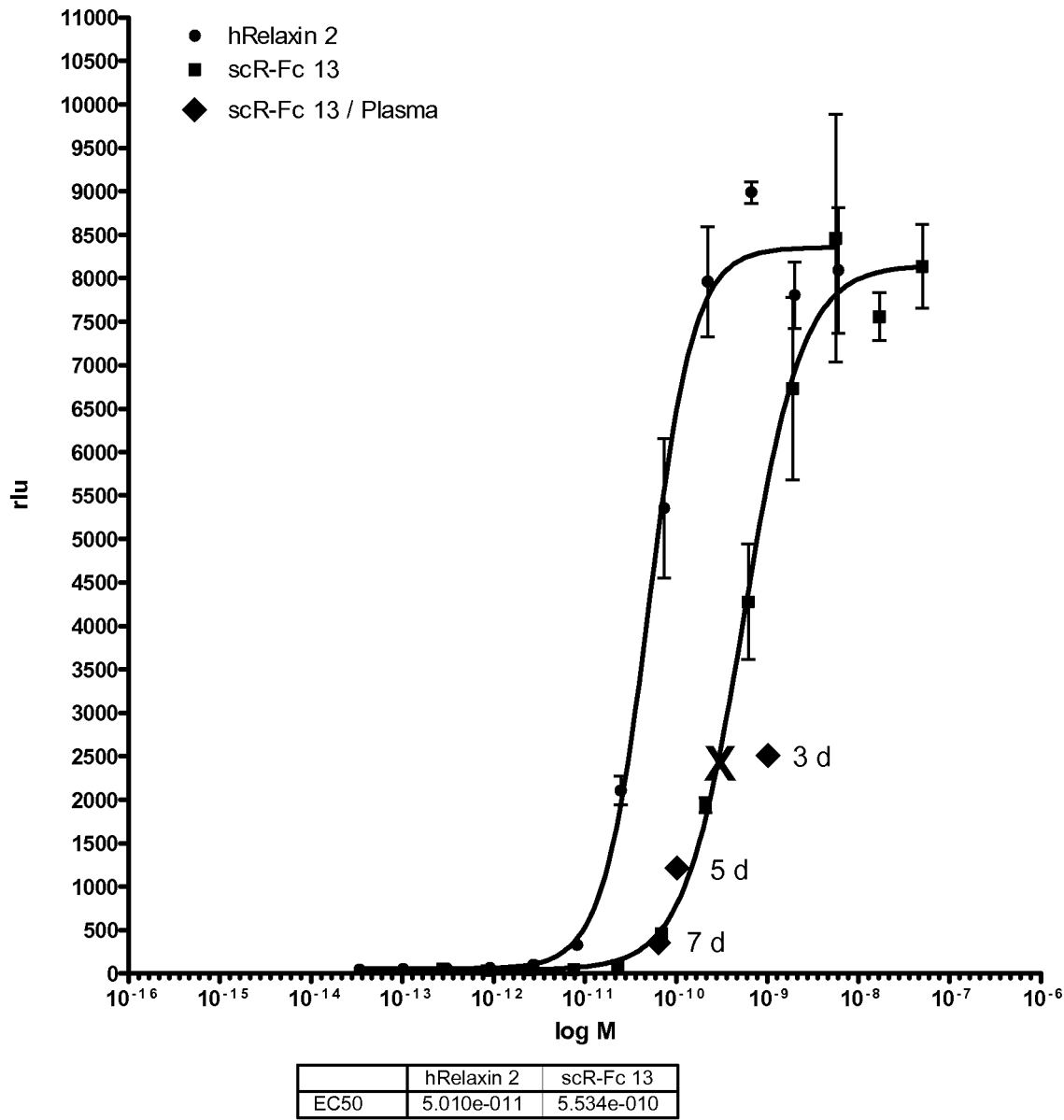


Figure 11 a and b

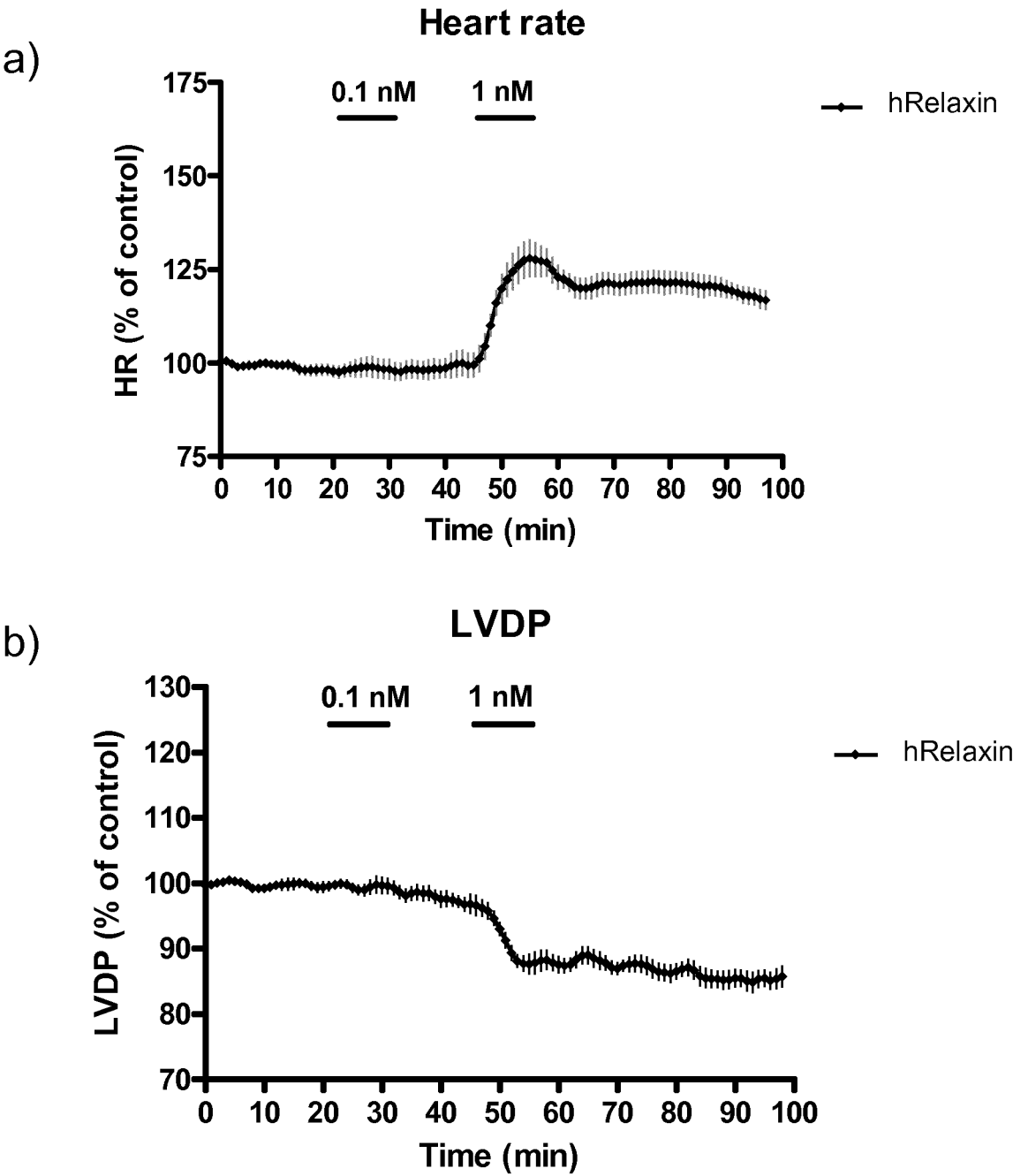


Figure 11 c and d

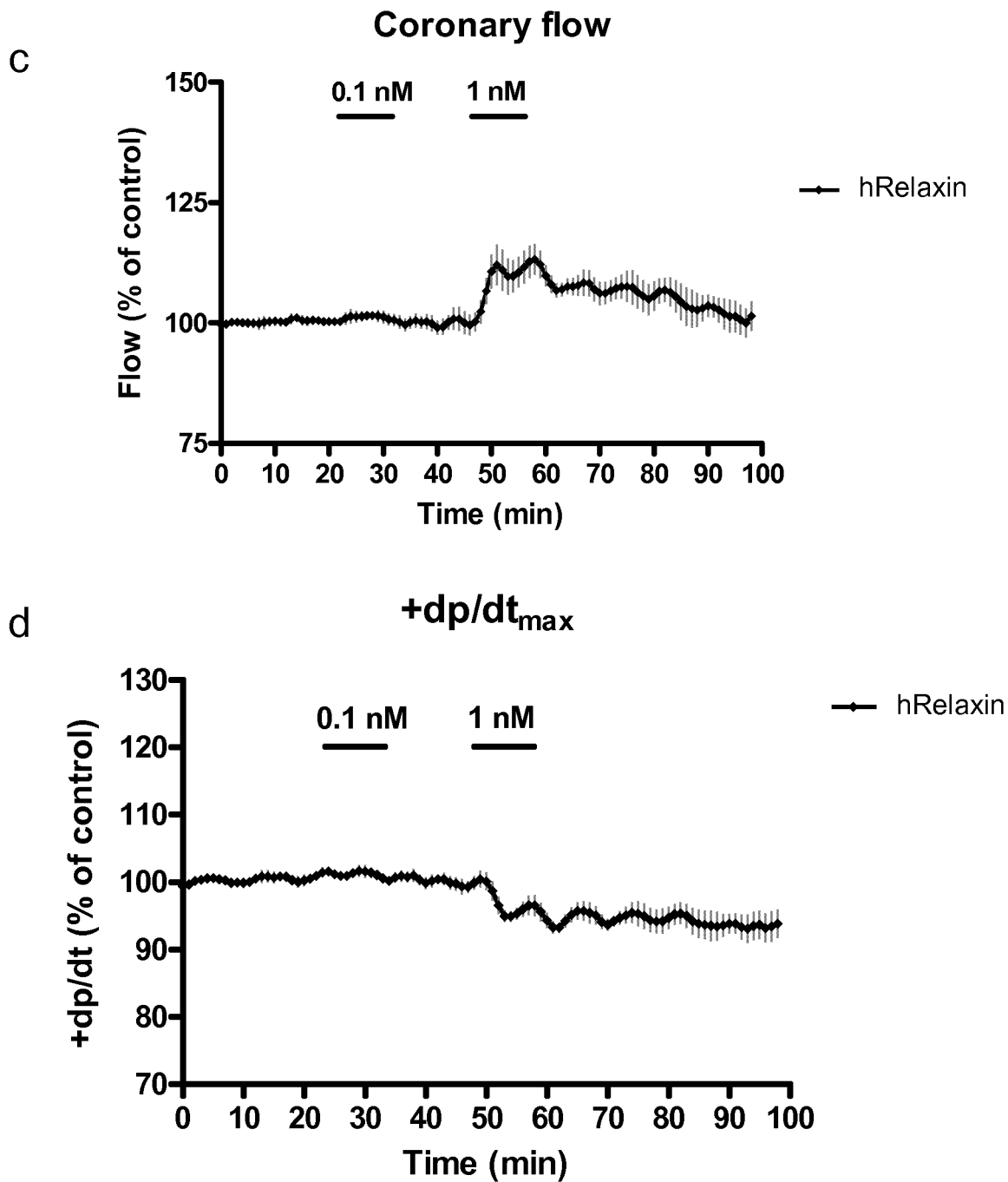


Figure 11 e and f

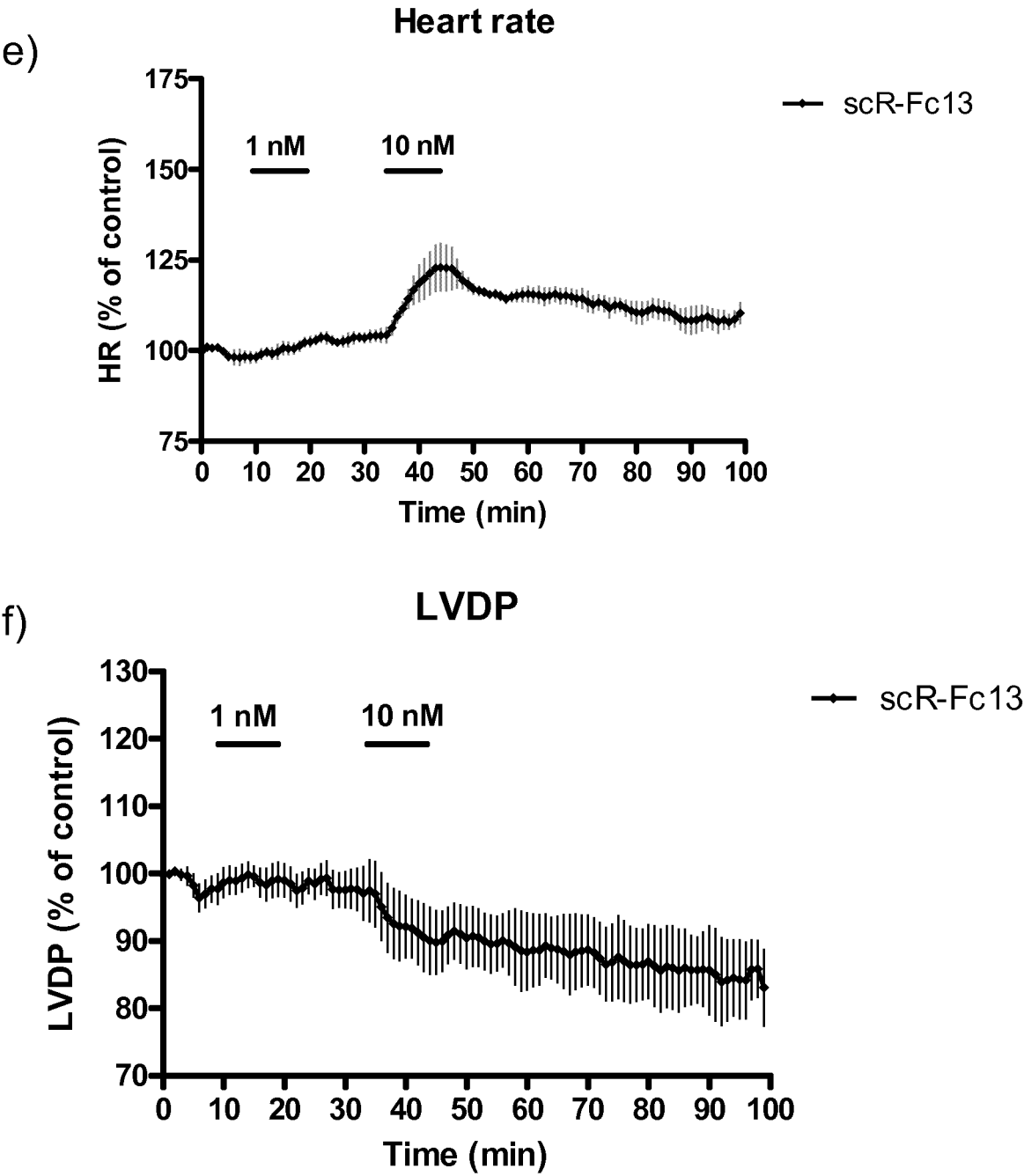


Figure 11 g and h

