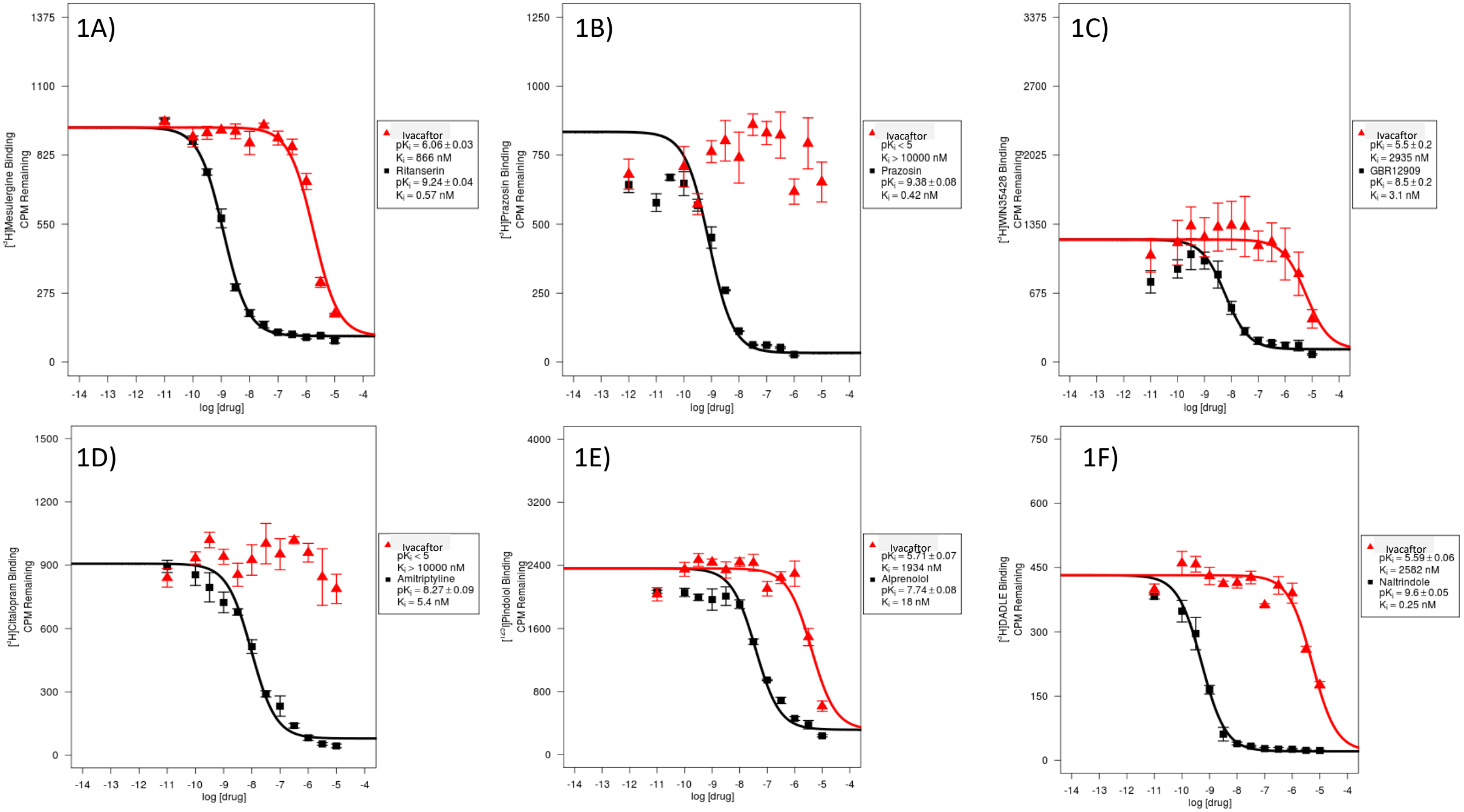
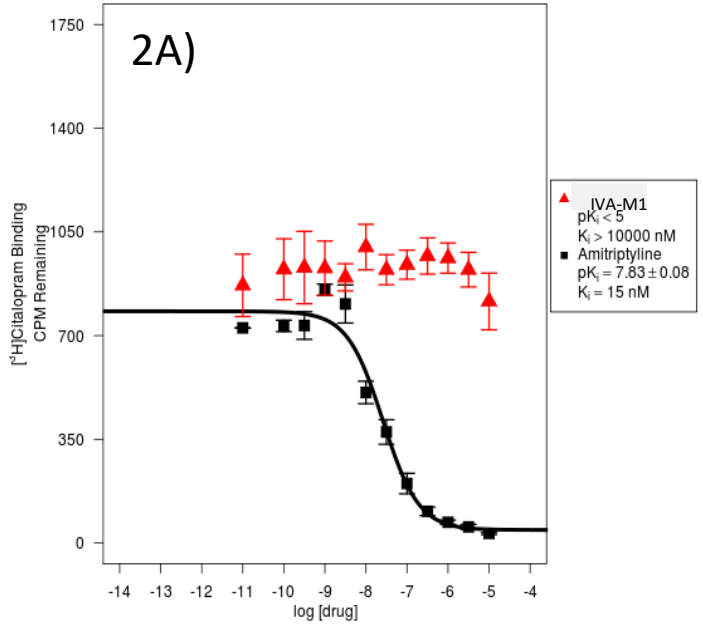
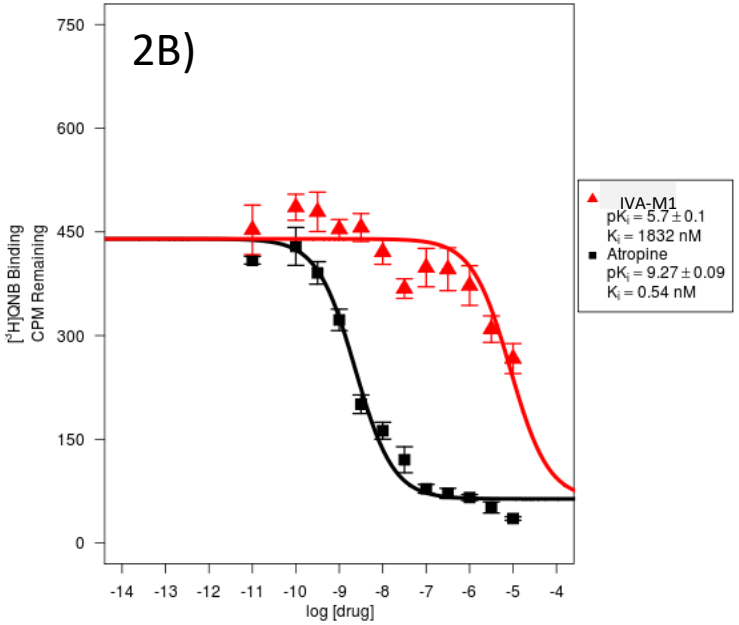
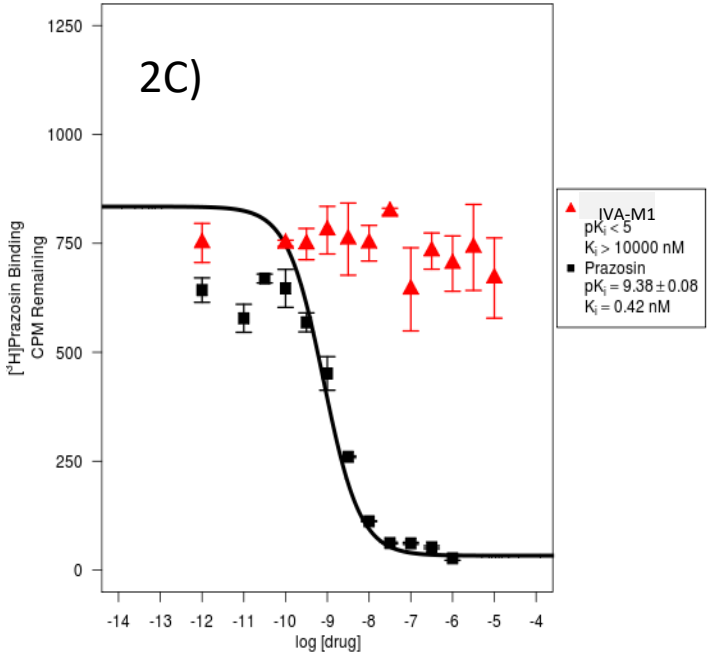
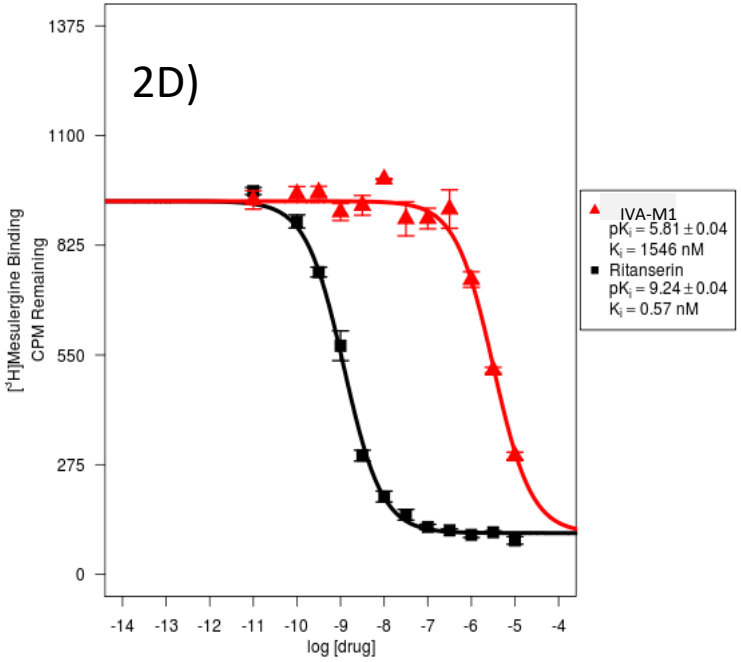
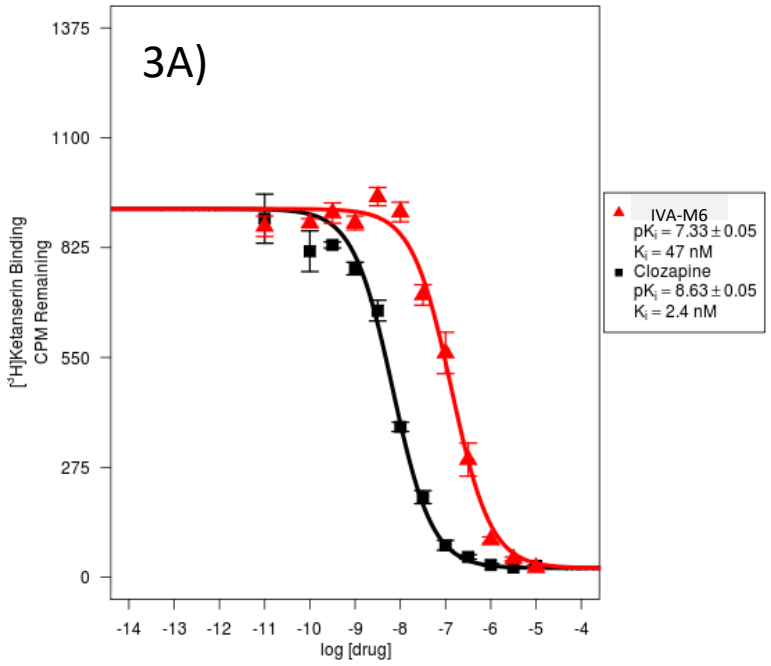

1A)
[3H]Mesulergine Binding
CPM Remaining
log [drug]
Ivacaftor
pKi = 6.06 ± 0.03
Ki = 866 nM
Ritanserin
pKi = 9.24 ± 0.04
Ki = 0.57 nM
1B)
[3H]Prazosin Binding
CPM Remaining
log [drug]
Ivacaftor
pKi < 5
Ki > 10000 nM
Prazosin
pKi = 9.38 ± 0.08
Ki = 0.42 nM
1C)
[3H]WIN35428 Binding
CPM Remaining
log [drug]
Ivacaftor
pKi = 5.5 ± 0.2
Ki = 2935 nM
GBR12909
pKi = 8.5 ± 0.2
Ki = 3.1 nM
1D)
[3H]Citalopram Binding
CPM Remaining
log [drug]
Ivacaftor
pKi < 5
Ki > 10000 nM
Amitriptyline
pKi = 8.27 ± 0.09
Ki = 5.4 nM
1E)
[125I]Pindolol Binding
CPM Remaining
log [drug]
Ivacaftor
pKi = 5.71 ± 0.07
Ki = 1934 nM
Alprenolol
pKi = 7.74 ± 0.08
Ki = 18 nM
1F)
[3H]DADLE Binding
CPM Remaining
log [drug]
Ivacaftor
pKi = 5.59 ± 0.06
Ki = 2582 nM
Naltrindole
pKi = 9.6 ± 0.05
Ki = 0.25 nM

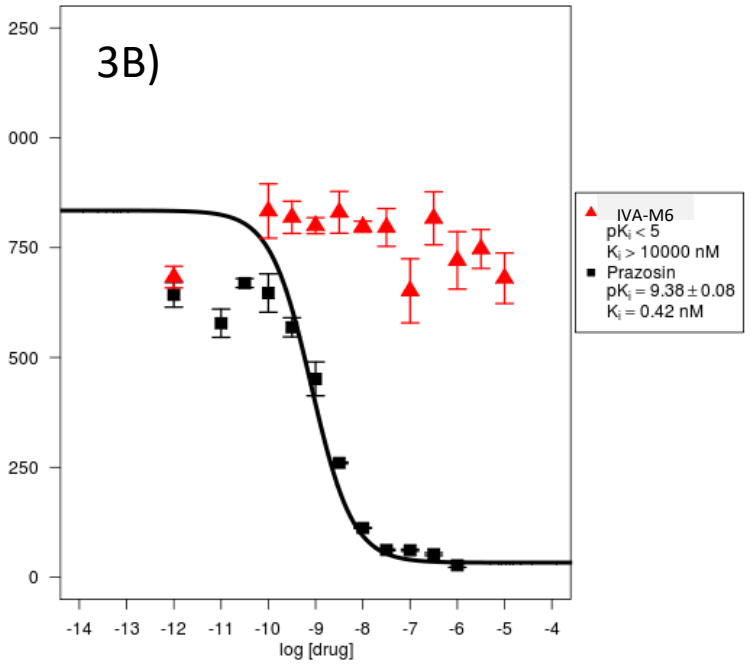

2A)
[^{3}H]Citalopram Binding
CPM Remaining
log [drug]
IVA-M1
pK$_i$ < 5
K$_i$ > 10000 nM
Amitriptyline
pK$_i$ = 7.83 ± 0.08
K$_i$ = 15 nM

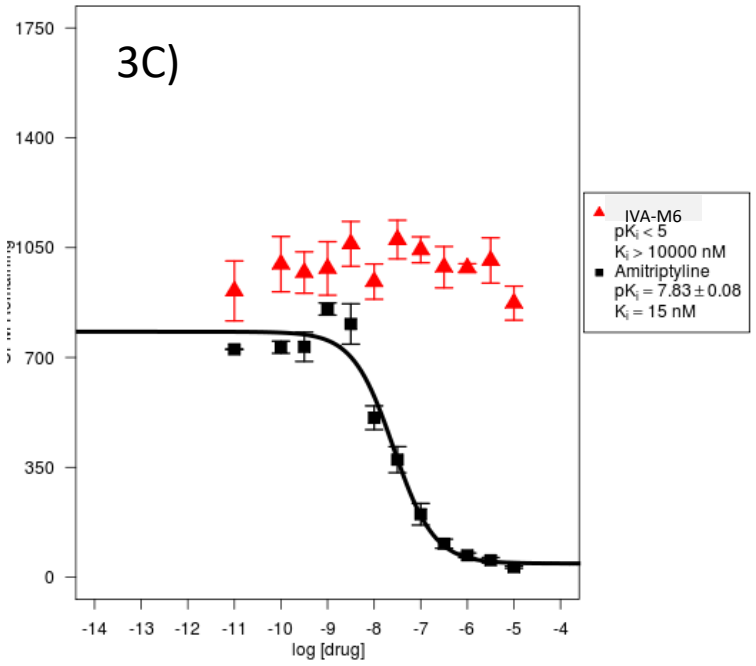

2B)
[^{3}H]QNB Binding
CPM Remaining
log [drug]
IVA-M1
pK$_i$ = 5.7 ± 0.1
K$_i$ = 1832 nM
Atropine
pK$_i$ = 9.27 ± 0.09
K$_i$ = 0.54 nM

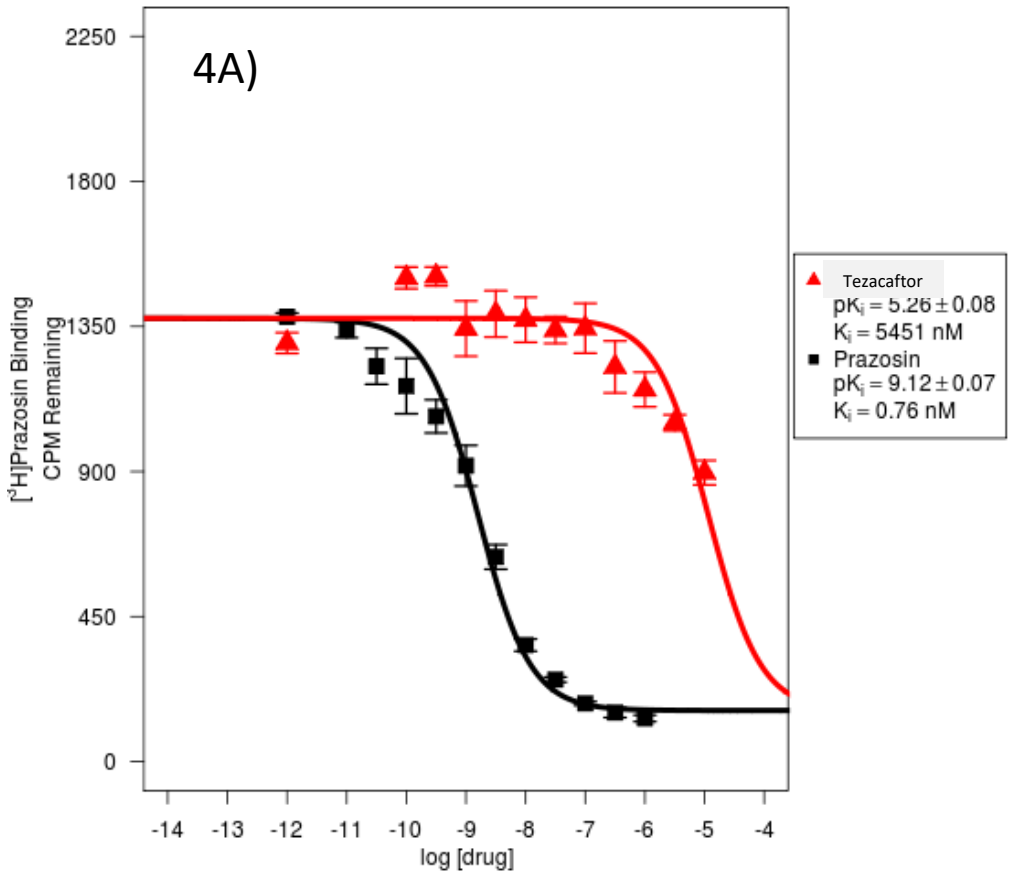

2C)
[^{3}H]Prazosin Binding
CPM Remaining
log [drug]
IVA-M1
pK$_i$ < 5
K$_i$ > 10000 nM
Prazosin
pK$_i$ = 9.38 ± 0.08
K$_i$ = 0.42 nM

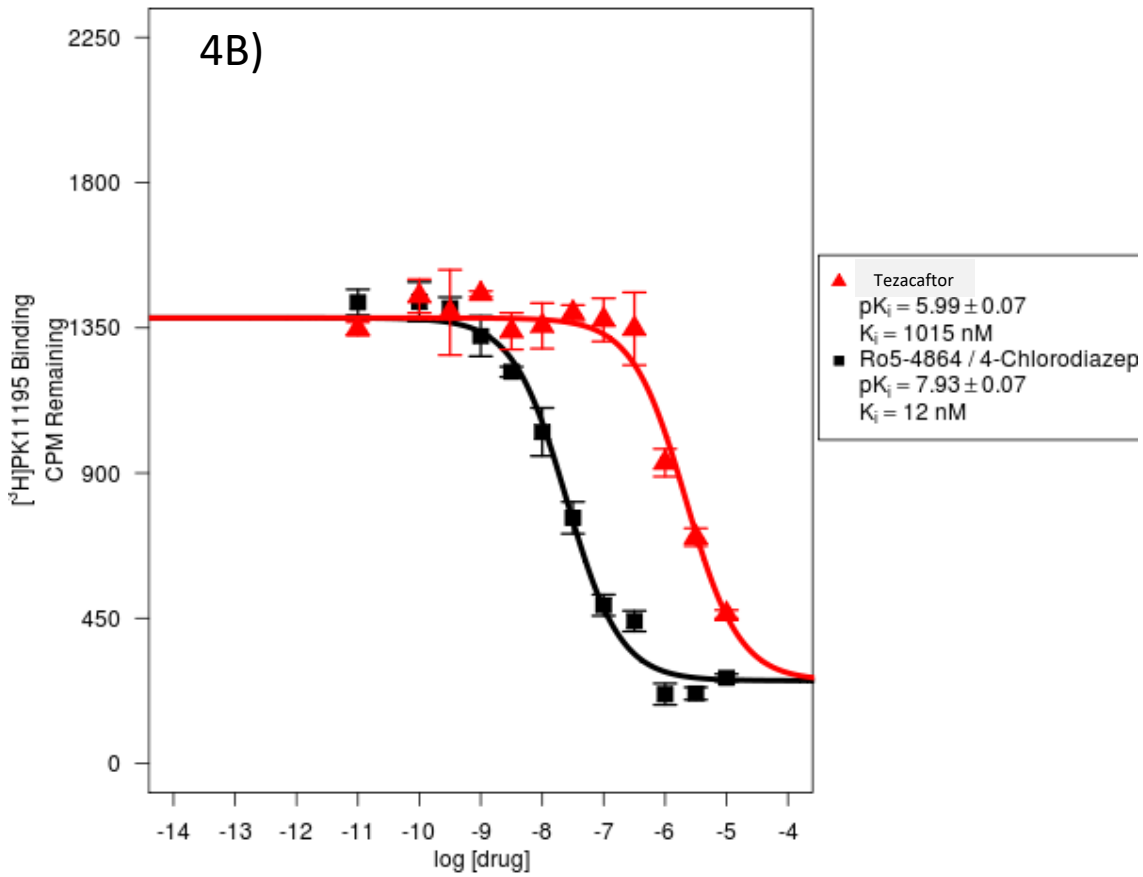

2D)
[^{3}H]Mesulergine Binding
CPM Remaining
log [drug]
IVA-M1
pK$_i$ = 5.81 ± 0.04
K$_i$ = 1546 nM
Ritanserin
pK$_i$ = 9.24 ± 0.04
K$_i$ = 0.57 nM

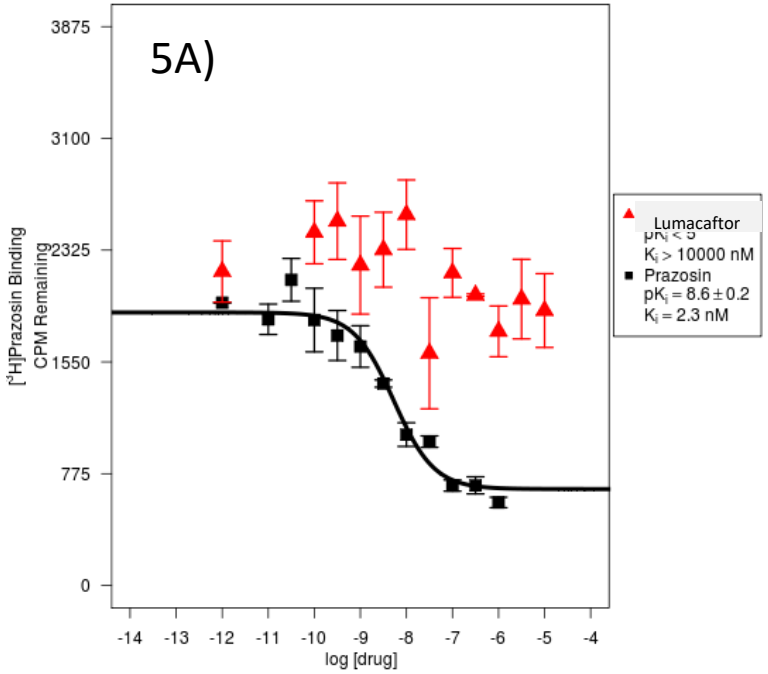

3A)
1375
1100
825
550
275
0
[3H]Ketanserin Binding
CPM Remaining
-14 -13 -12 -11 -10 -9 -8 -7 -6 -5 -4
log [drug]
IVA-M6
pKi = 7.33 ± 0.05
Ki = 47 nM
Clozapine
pKi = 8.63 ± 0.05
Ki = 2.4 nM

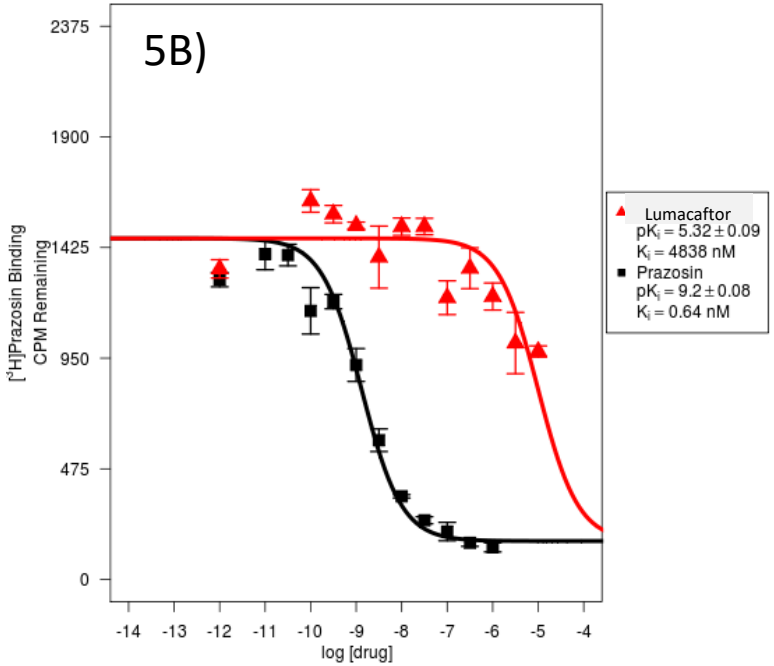

3B)
250
000
750
500
250
0
-14 -13 -12 -11 -10 -9 -8 -7 -6 -5 -4
log [drug]
IVA-M6
pKi < 5
Ki > 10000 nM
Prazosin
pKi = 9.38 ± 0.08
Ki = 0.42 nM

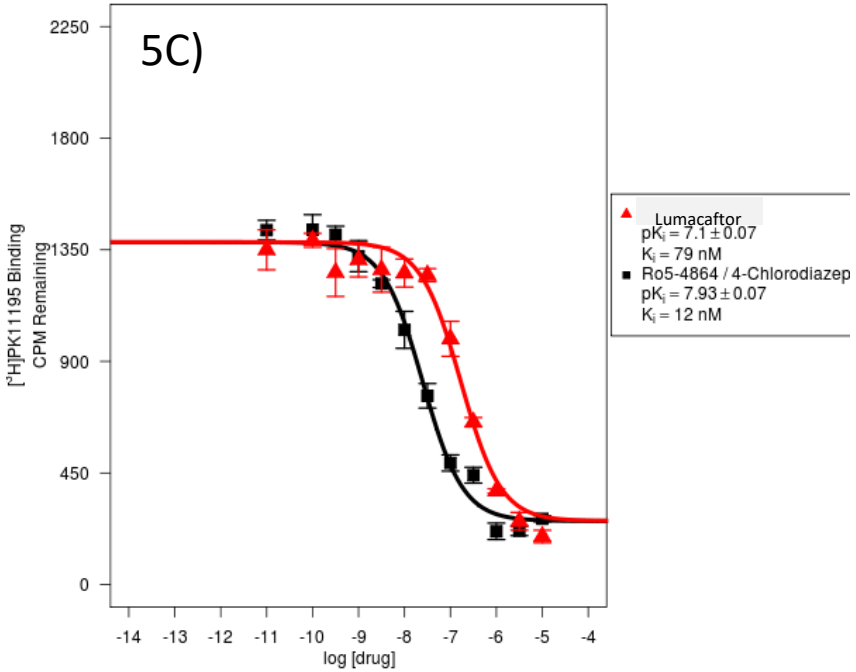

3C)
1750
1400
1050
700
350
0
-14 -13 -12 -11 -10 -9 -8 -7 -6 -5 -4
log [drug]
IVA-M6
pKi < 5
Ki > 10000 nM
Amitriptyline
pKi = 7.83 ± 0.08
Ki = 15 nM

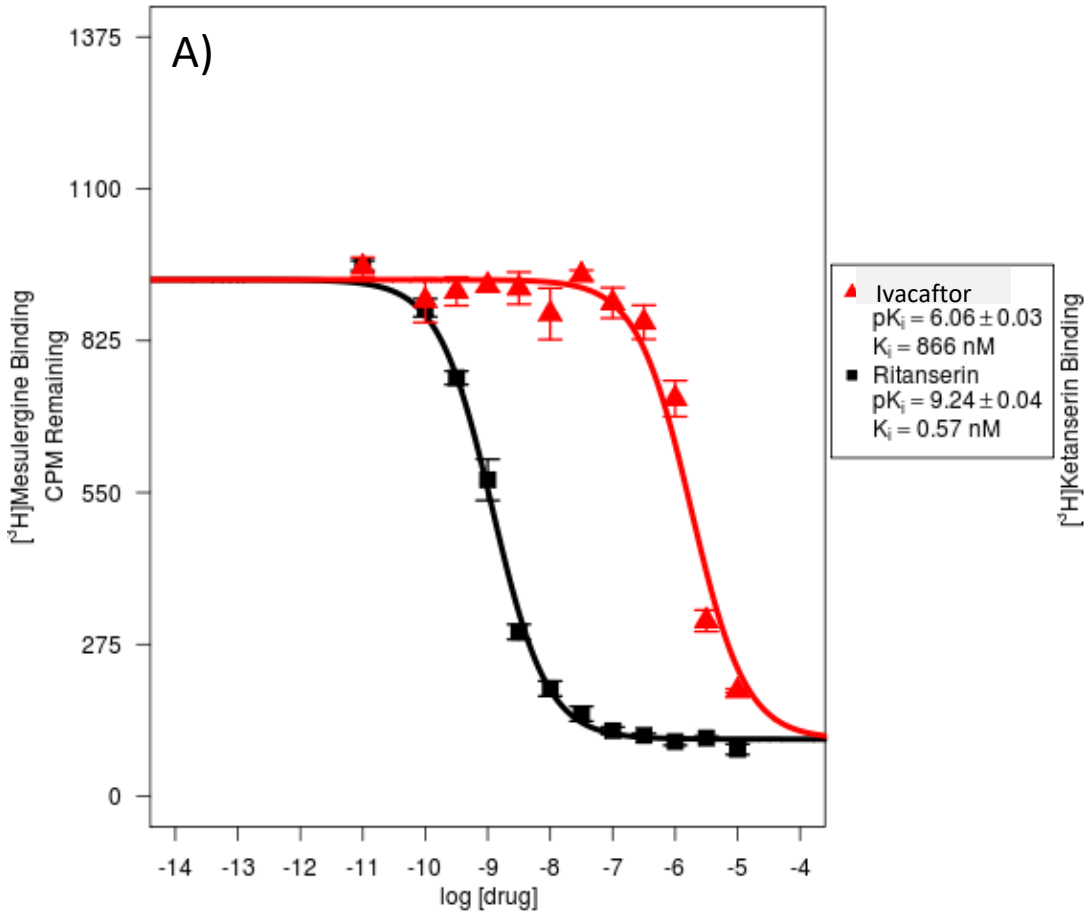

4A)
2250
1800
1350
900
450
0
[³H]Prazosin Binding
CPM Remaining
-14 -13 -12 -11 -10 -9 -8 -7 -6 -5 -4
log [drug]
Tezacaftor
pKi = 5.26 ± 0.08
Ki = 5451 nM
Prazosin
pKi = 9.12 ± 0.07
Ki = 0.76 nM

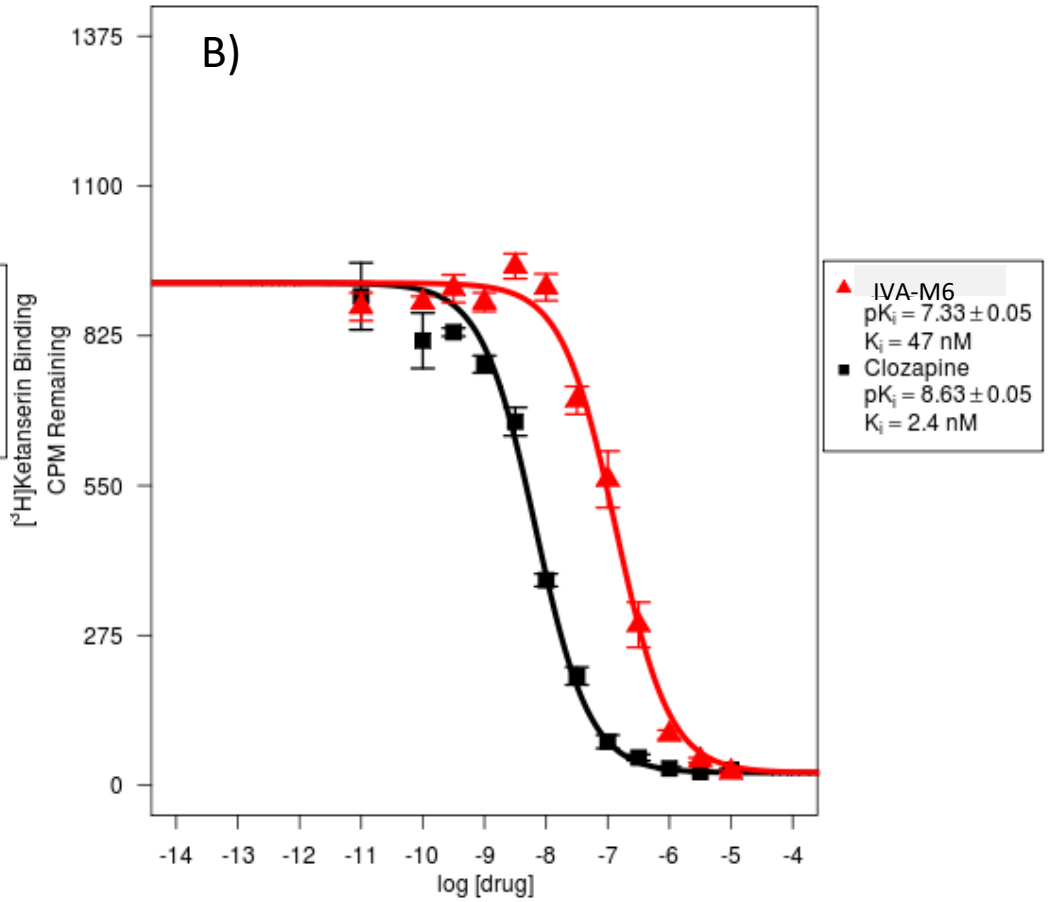

4B)
2250
1800
1350
900
450
0
[³H]PK11195 Binding
CPM Remaining
-14 -13 -12 -11 -10 -9 -8 -7 -6 -5 -4
log [drug]
Tezacaftor
pKi = 5.99 ± 0.07
Ki = 1015 nM
Ro5-4864 / 4-Chlorodiazep
pKi = 7.93 ± 0.07
Ki = 12 nM


5A)
[³H]Prazosin Binding
CPM Remaining
3875
3100
2325
1550
775
0
-14 -13 -12 -11 -10 -9 -8 -7 -6 -5 -4
log [drug]
Lumacaftor
Ki > 10000 nM
Prazosin
pKi = 8.6 ± 0.2
Ki = 2.3 nM


5B)
[³H]Prazosin Binding
CPM Remaining
2375
1900
1425
950
475
0
-14 -13 -12 -11 -10 -9 -8 -7 -6 -5 -4
log [drug]
Lumacaftor
pKi = 5.32 ± 0.09
Ki = 4838 nM
Prazosin
pKi = 9.2 ± 0.08
Ki = 0.64 nM


5C)
[³H]PK11195 Binding
CPM Remaining
2250
1800
1350
900
450
0
-14 -13 -12 -11 -10 -9 -8 -7 -6 -5 -4
log [drug]
Lumacaftor
pKi = 7.1 ± 0.07
Ki = 79 nM
Ro5-4864 / 4-Chlorodiazep
pKi = 7.93 ± 0.07
Ki = 12 nM


A)
1375
1100
825
550
275
0
[3H]Mesulergine Binding
CPM Remaining
-14 -13 -12 -11 -10 -9 -8 -7 -6 -5 -4
log [drug]
Ivacaftor
pKi = 6.06 ± 0.03
Ki = 866 nM
Ritanserin
pKi = 9.24 ± 0.04
Ki = 0.57 nM


B)
1375
1100
825
550
275
0
[3H]Ketanserin Binding
CPM Remaining
-14 -13 -12 -11 -10 -9 -8 -7 -6 -5 -4
log [drug]
IVA-M6
pKi = 7.33 ± 0.05
Ki = 47 nM
Clozapine
pKi = 8.63 ± 0.05
Ki = 2.4 nM