Figure 1

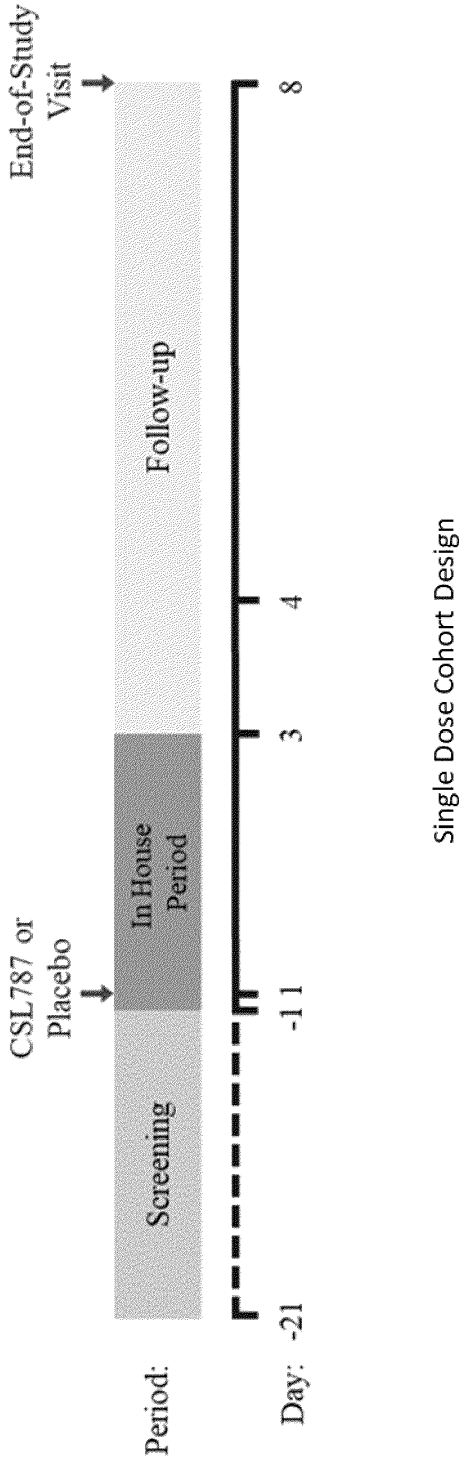

Single Dose Cohort Design
Period:
Screening
In House Period
Follow-up
CSL787 or Placebo
End-of-Study Visit
Day: -21 -1 1 3 4 8

Figure 2

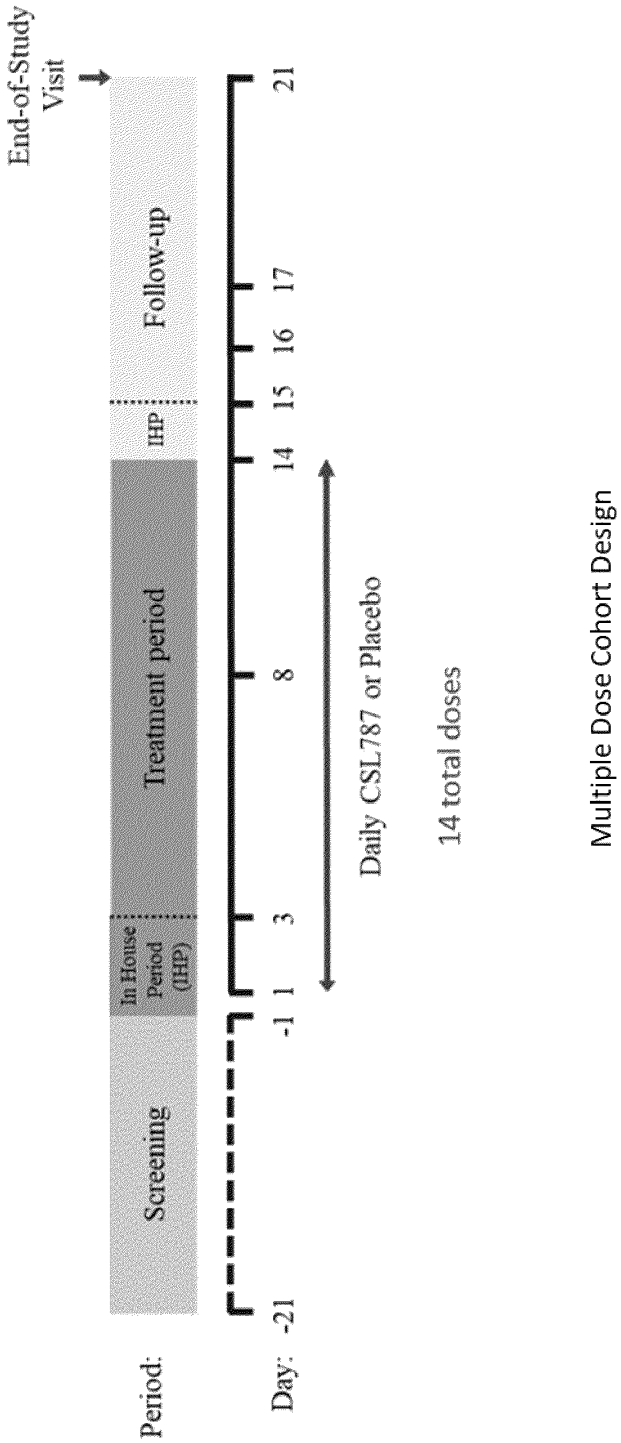

End-of-Study Visit
Follow-up
IHP
Treatment period
In House Period (IHP)
Screening
Period:
Day: -21 -1 1 3 8 14 15 16 17 21
Daily CSL787 or Placebo
14 total doses
Multiple Dose Cohort Design

Figure 3

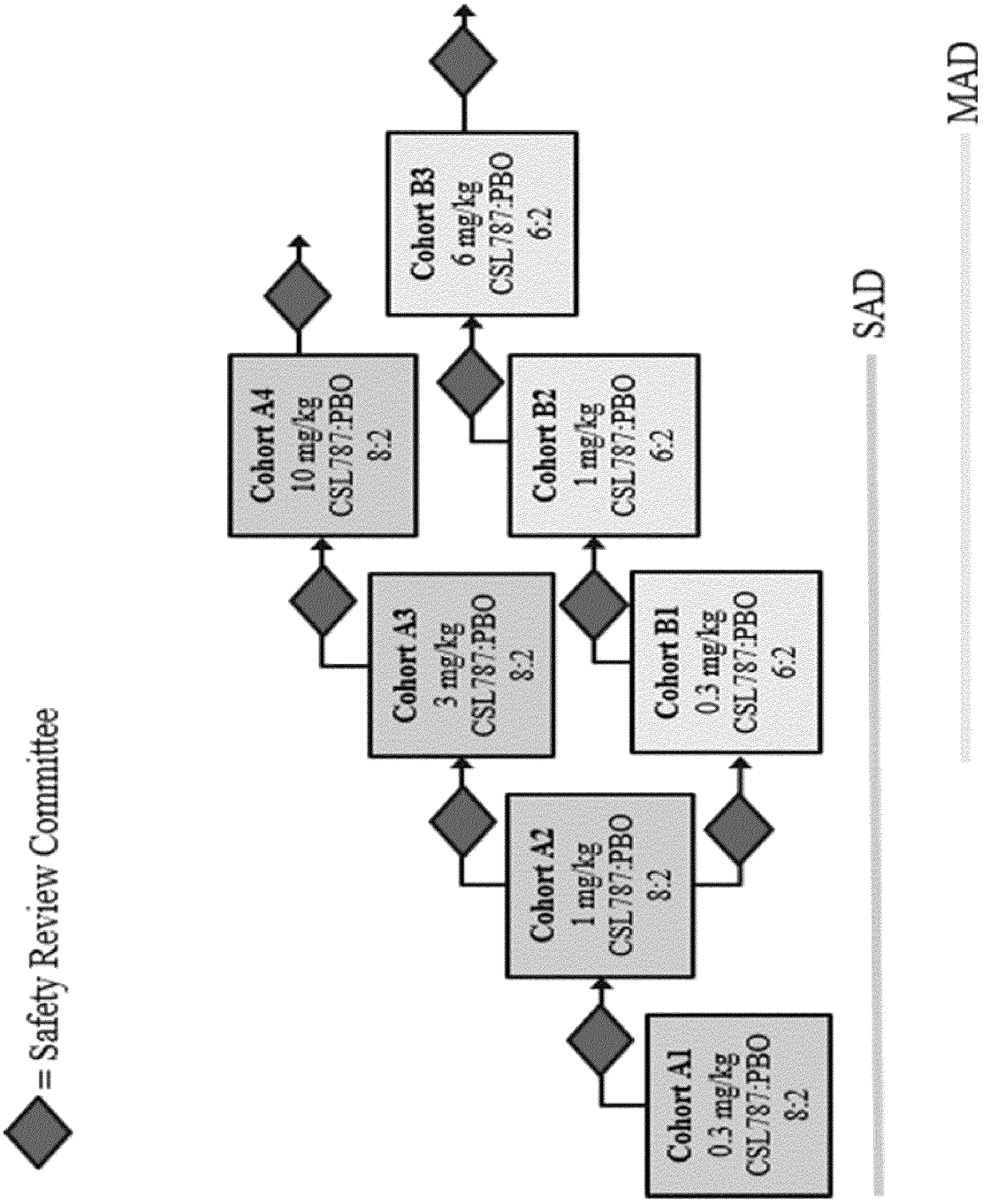

= Safety Review Committee
Cohort A1
0.3 mg/kg
CSL787:PBO
8:2
Cohort A2
1 mg/kg
CSL787:PBO
8:2
Cohort A3
3 mg/kg
CSL787:PBO
8:2
Cohort A4
10 mg/kg
CSL787:PBO
8:2
Cohort B1
0.3 mg/kg
CSL787:PBO
6:2
Cohort B2
1 mg/kg
CSL787:PBO
6:2
Cohort B3
6 mg/kg
CSL787:PBO
6:2
SAD
MAD

Figure 4A

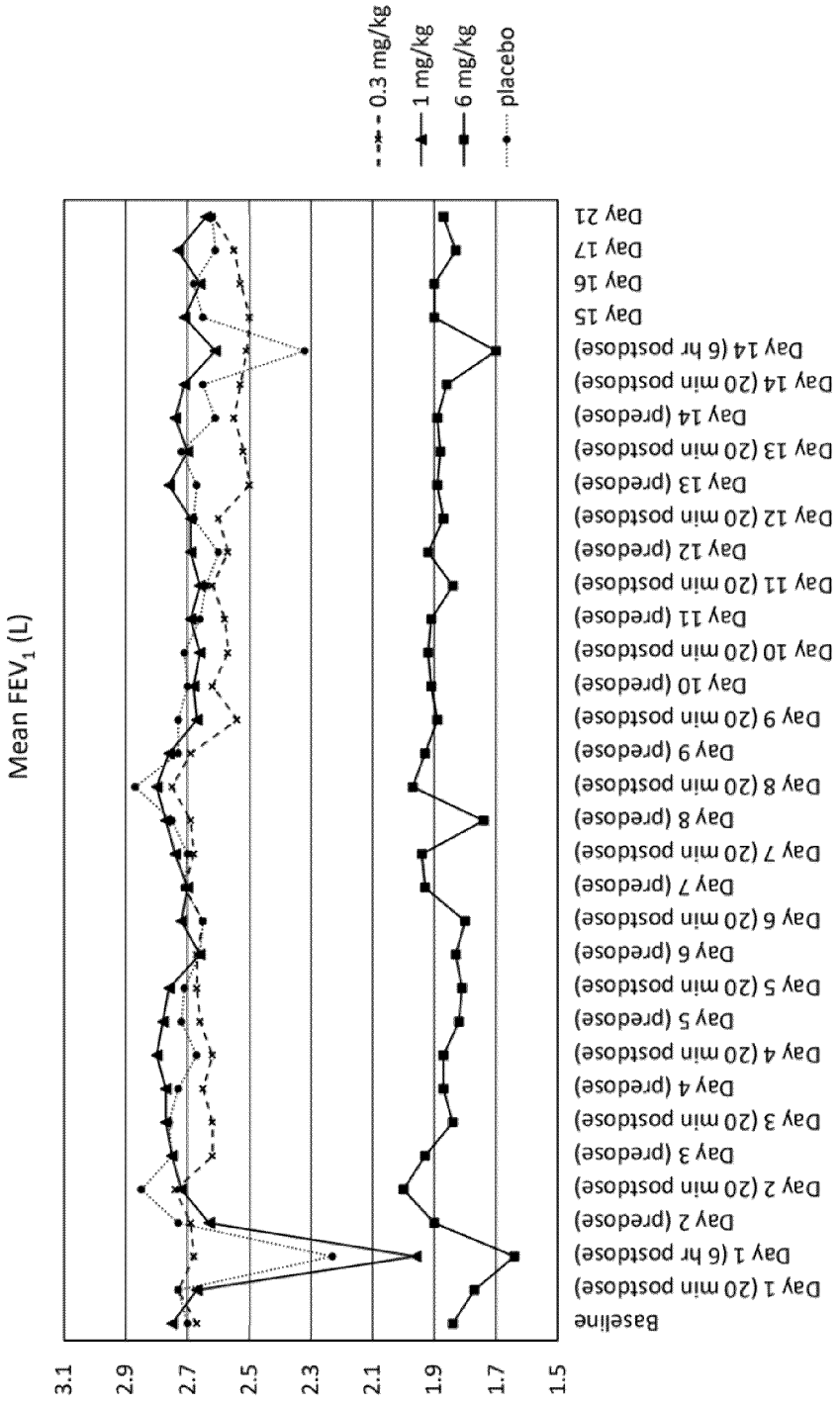

0.3 mg/kg
1 mg/kg
6 mg/kg
placebo
Mean FEV1 (L)
3.1
2.9
2.7
2.5
2.3
2.1
1.9
1.7
1.5
Baseline
Day 1 (20 min postdose)
Day 1 (6 hr postdose)
Day 2 (predose)
Day 2 (20 min postdose)
Day 3 (predose)
Day 3 (20 min postdose)
Day 4 (predose)
Day 4 (20 min postdose)
Day 5 (predose)
Day 5 (20 min postdose)
Day 6 (predose)
Day 6 (20 min postdose)
Day 7 (predose)
Day 7 (20 min postdose)
Day 8 (predose)
Day 8 (20 min postdose)
Day 9 (predose)
Day 9 (20 min postdose)
Day 10 (predose)
Day 10 (20 min postdose)
Day 11 (predose)
Day 11 (20 min postdose)
Day 12 (predose)
Day 12 (20 min postdose)
Day 13 (predose)
Day 13 (20 min postdose)
Day 14 (predose)
Day 14 (20 min postdose)
Day 14 (6 hr postdose)
Day 15
Day 16
Day 17
Day 21

Figure 4B

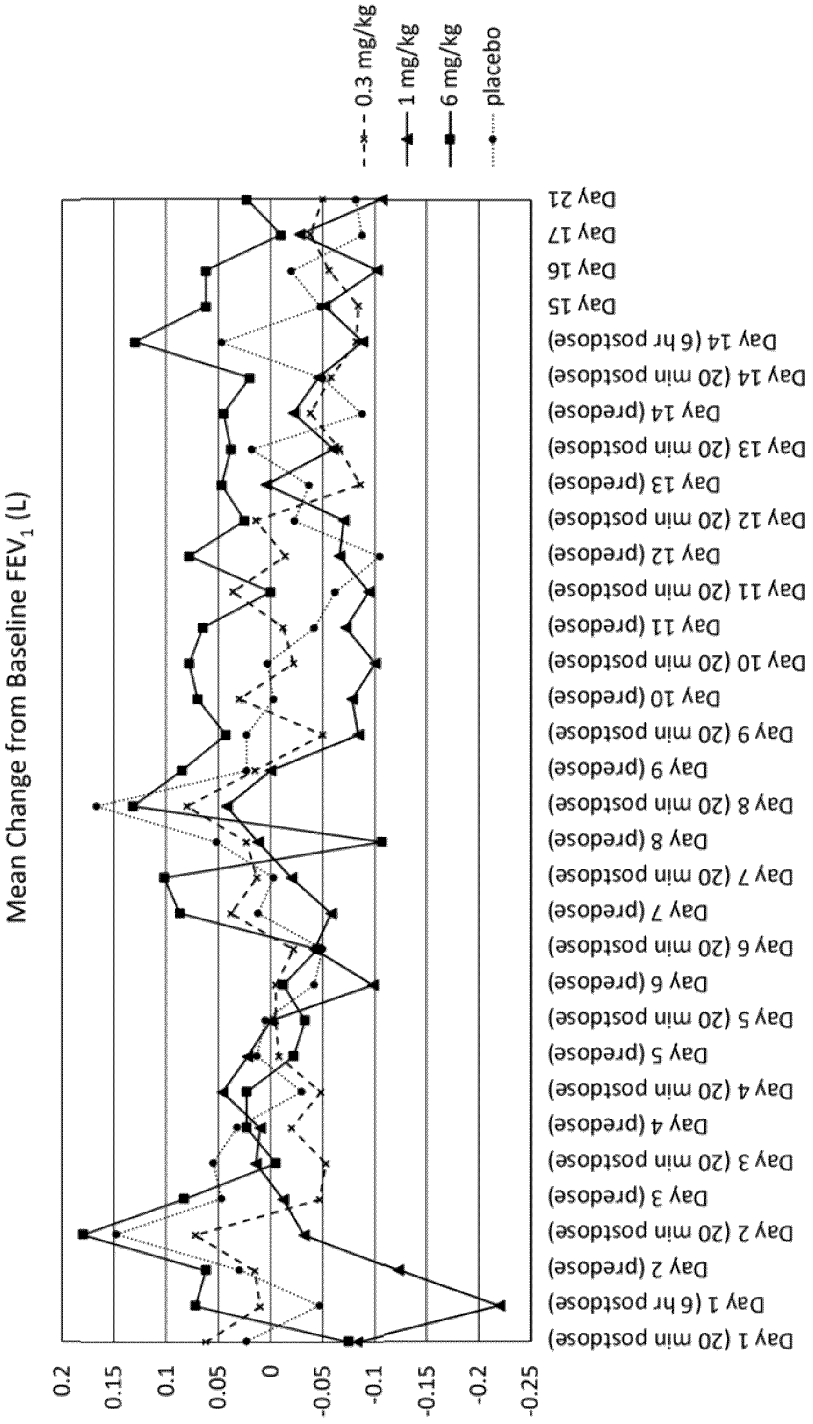

0.3 mg/kg
1 mg/kg
6 mg/kg
placebo
Mean Change from Baseline FEV1 (L)
0.2
0.15
0.1
0.05
0
-0.05
-0.1
-0.15
-0.2
-0.25
Day 1 (20 min postdose)
Day 1 (6 hr postdose)
Day 2 (predose)
Day 2 (20 min postdose)
Day 3 (predose)
Day 3 (20 min postdose)
Day 4 (predose)
Day 4 (20 min postdose)
Day 5 (predose)
Day 5 (20 min postdose)
Day 6 (predose)
Day 6 (20 min postdose)
Day 7 (predose)
Day 7 (20 min postdose)
Day 8 (predose)
Day 8 (20 min postdose)
Day 9 (predose)
Day 9 (20 min postdose)
Day 10 (predose)
Day 10 (20 min postdose)
Day 11 (predose)
Day 11 (20 min postdose)
Day 12 (predose)
Day 12 (20 min postdose)
Day 13 (predose)
Day 13 (20 min postdose)
Day 14 (predose)
Day 14 (20 min postdose)
Day 14 (6 hr postdose)
Day 15
Day 16
Day 17
Day 21

Figure 5A

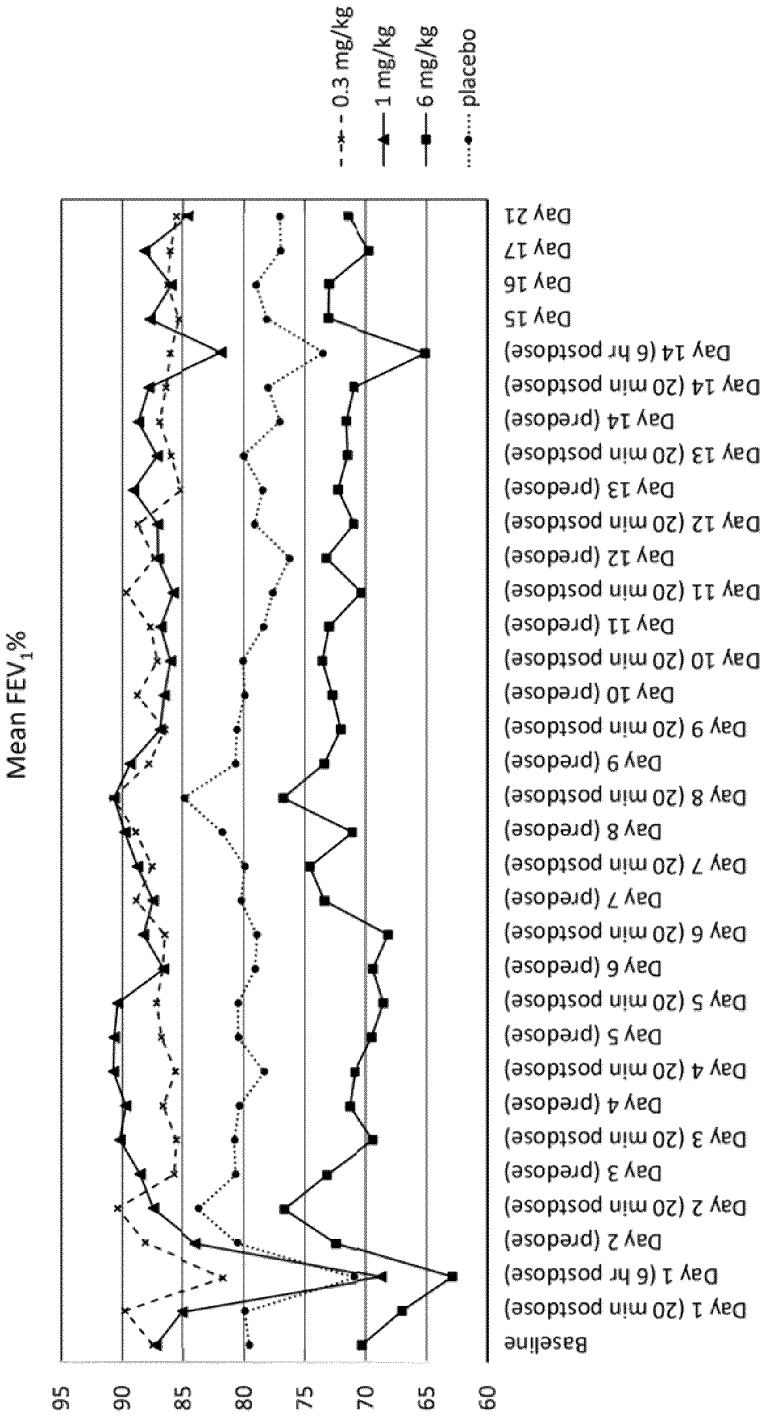

0.3 mg/kg
1 mg/kg
6 mg/kg
placebo
Mean FEV1%
95
90
85
80
75
70
65
60
Baseline
Day 1 (20 min postdose)
Day 1 (6 hr postdose)
Day 2 (predose)
Day 2 (20 min postdose)
Day 3 (predose)
Day 3 (20 min postdose)
Day 4 (predose)
Day 4 (20 min postdose)
Day 5 (predose)
Day 5 (20 min postdose)
Day 6 (predose)
Day 6 (20 min postdose)
Day 7 (predose)
Day 7 (20 min postdose)
Day 8 (predose)
Day 8 (20 min postdose)
Day 9 (predose)
Day 9 (20 min postdose)
Day 10 (predose)
Day 10 (20 min postdose)
Day 11 (predose)
Day 11 (20 min postdose)
Day 12 (predose)
Day 12 (20 min postdose)
Day 13 (predose)
Day 13 (20 min postdose)
Day 14 (predose)
Day 14 (20 min postdose)
Day 14 (6 hr postdose)
Day 15
Day 16
Day 17
Day 21

Figure 5B

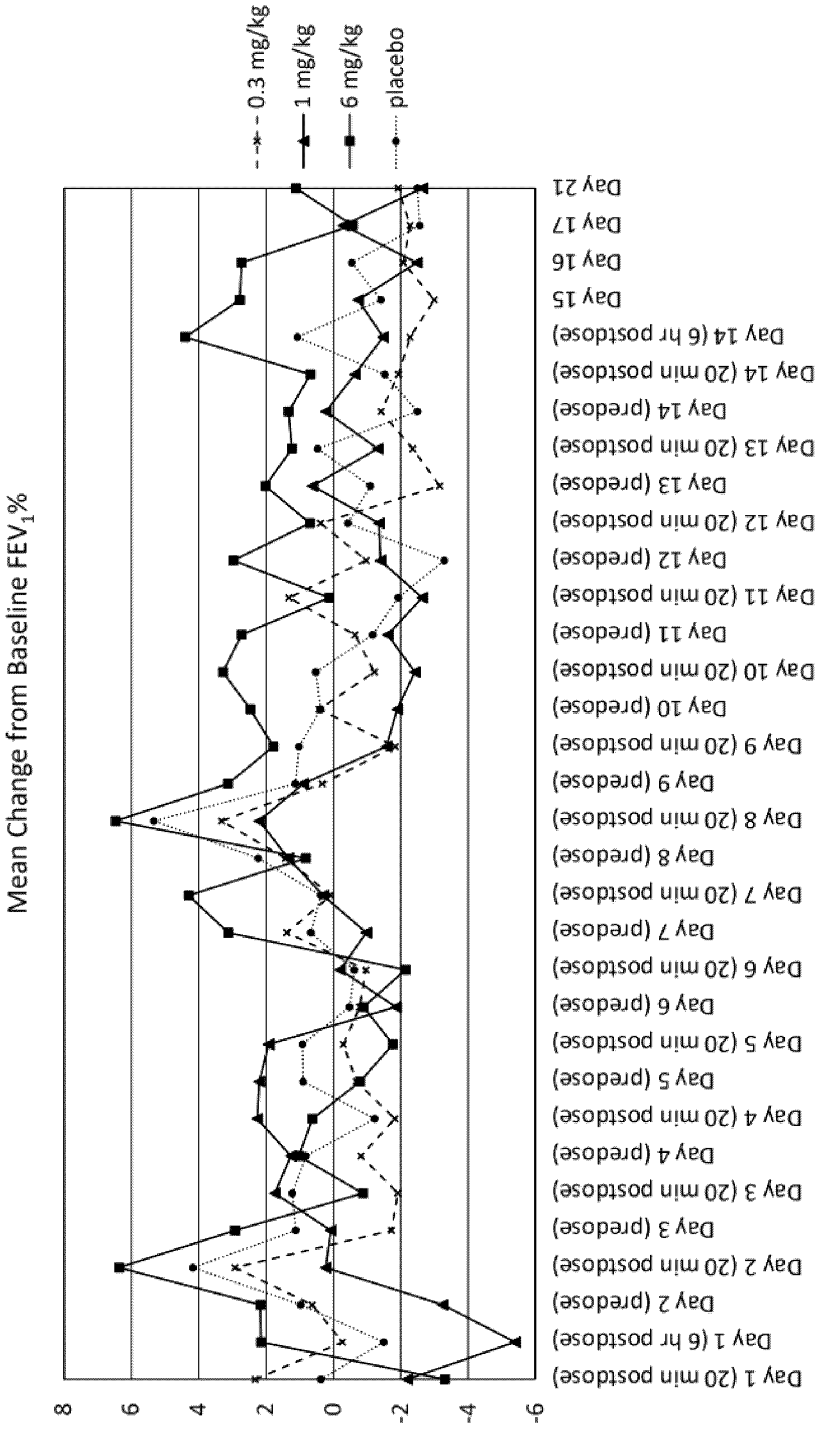

0.3 mg/kg
1 mg/kg
6 mg/kg
placebo
Mean Change from Baseline FEV1%
8
6
4
2
0
-2
-4
-6
Day 1 (20 min postdose)
Day 1 (6 hr postdose)
Day 2 (predose)
Day 2 (20 min postdose)
Day 3 (predose)
Day 3 (20 min postdose)
Day 4 (predose)
Day 4 (20 min postdose)
Day 5 (predose)
Day 5 (20 min postdose)
Day 6 (predose)
Day 6 (20 min postdose)
Day 7 (predose)
Day 7 (20 min postdose)
Day 8 (predose)
Day 8 (20 min postdose)
Day 9 (predose)
Day 9 (20 min postdose)
Day 10 (predose)
Day 10 (20 min postdose)
Day 11 (predose)
Day 11 (20 min postdose)
Day 12 (predose)
Day 12 (20 min postdose)
Day 13 (predose)
Day 13 (20 min postdose)
Day 14 (predose)
Day 14 (20 min postdose)
Day 14 (6 hr postdose)
Day 15
Day 16
Day 17
Day 21

Figure 6A

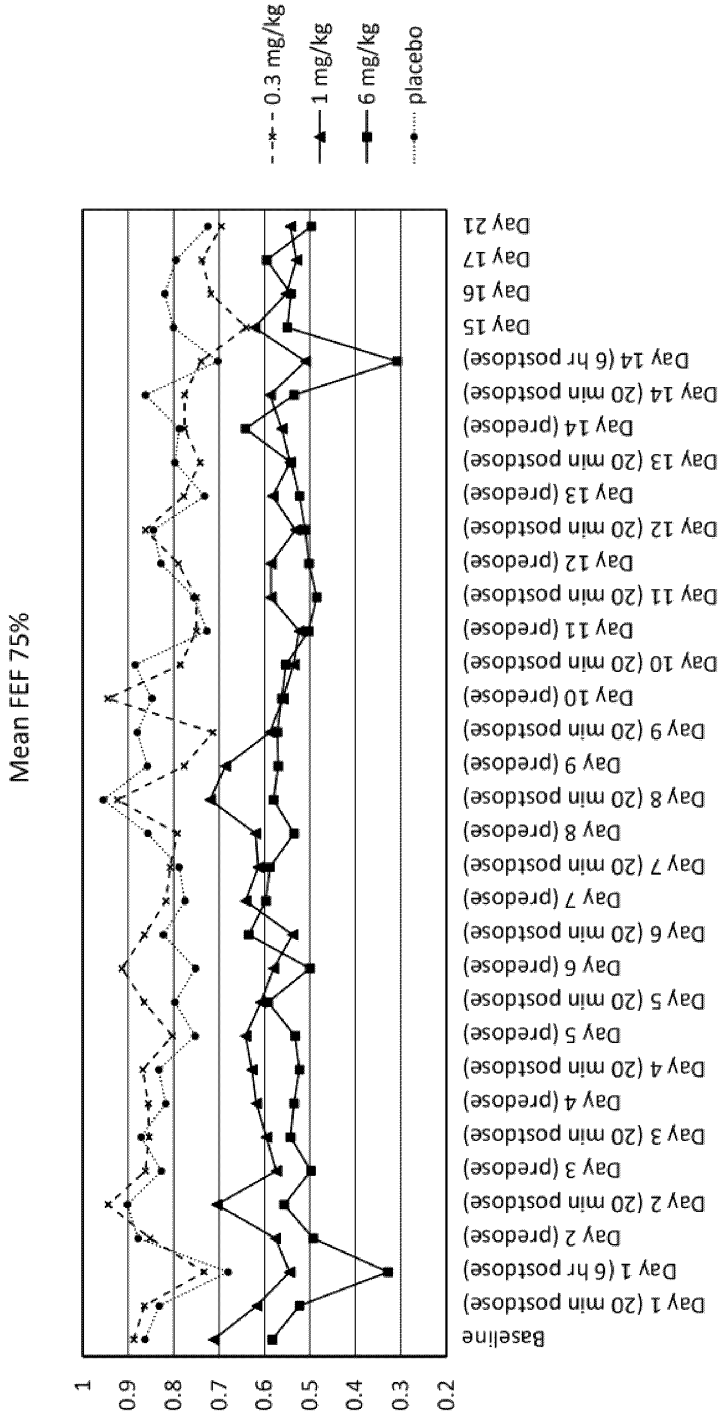

0.3 mg/kg
1 mg/kg
6 mg/kg
placebo
Mean FEF 75%
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
Baseline
Day 1 (20 min postdose)
Day 1 (6 hr postdose)
Day 2 (predose)
Day 2 (20 min postdose)
Day 3 (predose)
Day 3 (20 min postdose)
Day 4 (predose)
Day 4 (20 min postdose)
Day 5 (predose)
Day 5 (20 min postdose)
Day 6 (predose)
Day 6 (20 min postdose)
Day 7 (predose)
Day 7 (20 min postdose)
Day 8 (predose)
Day 8 (20 min postdose)
Day 9 (predose)
Day 9 (20 min postdose)
Day 10 (predose)
Day 10 (20 min postdose)
Day 11 (predose)
Day 11 (20 min postdose)
Day 12 (predose)
Day 12 (20 min postdose)
Day 13 (predose)
Day 13 (20 min postdose)
Day 14 (predose)
Day 14 (20 min postdose)
Day 14 (6 hr postdose)
Day 15
Day 16
Day 17
Day 21

Figure 6B

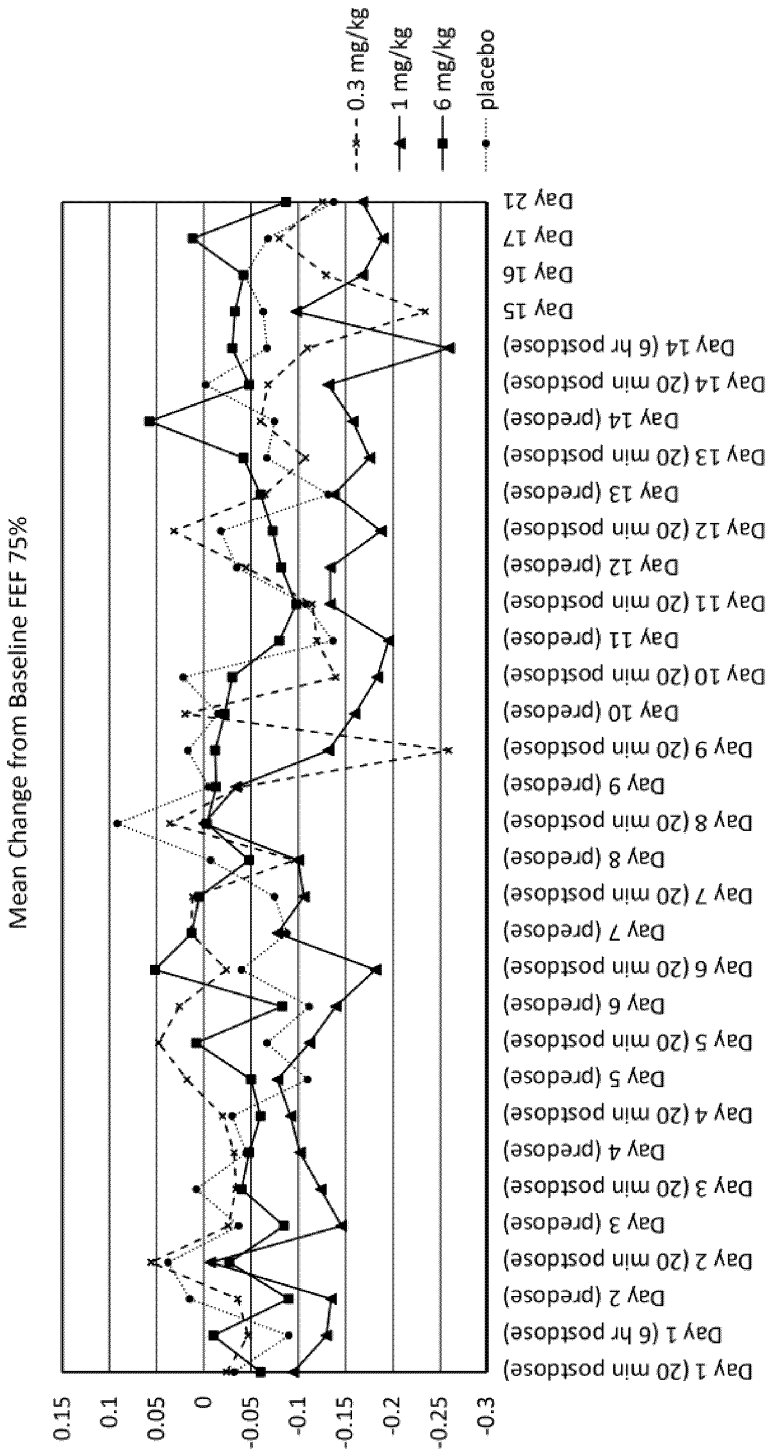

Mean Change from Baseline FEF 75%
0.15
0.1
0.05
0
-0.05
-0.1
-0.15
-0.2
-0.25
-0.3
0.3 mg/kg
1 mg/kg
6 mg/kg
placebo
Day 1 (20 min postdose)
Day 1 (6 hr postdose)
Day 2 (predose)
Day 2 (20 min postdose)
Day 3 (predose)
Day 3 (20 min postdose)
Day 4 (predose)
Day 4 (20 min postdose)
Day 5 (predose)
Day 5 (20 min postdose)
Day 6 (predose)
Day 6 (20 min postdose)
Day 7 (predose)
Day 7 (20 min postdose)
Day 8 (predose)
Day 8 (20 min postdose)
Day 9 (predose)
Day 9 (20 min postdose)
Day 10 (predose)
Day 10 (20 min postdose)
Day 11 (predose)
Day 11 (20 min postdose)
Day 12 (predose)
Day 12 (20 min postdose)
Day 13 (predose)
Day 13 (20 min postdose)
Day 14 (predose)
Day 14 (20 min postdose)
Day 14 (6 hr postdose)
Day 15
Day 16
Day 17
Day 21

Figure 7A

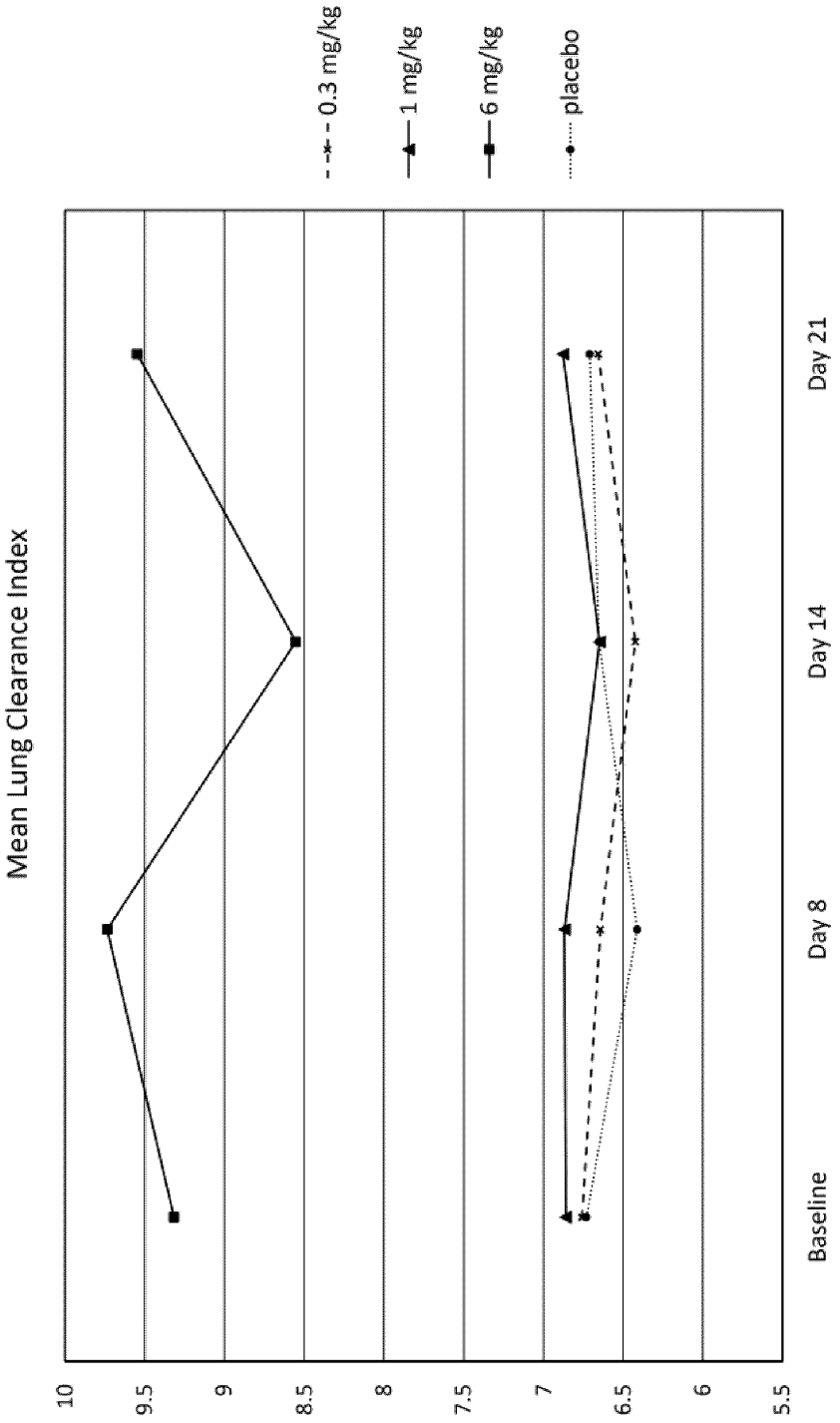

0.3 mg/kg
1 mg/kg
6 mg/kg
placebo
Mean Lung Clearance Index
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
Baseline
Day 8
Day 14
Day 21

Figure 7B

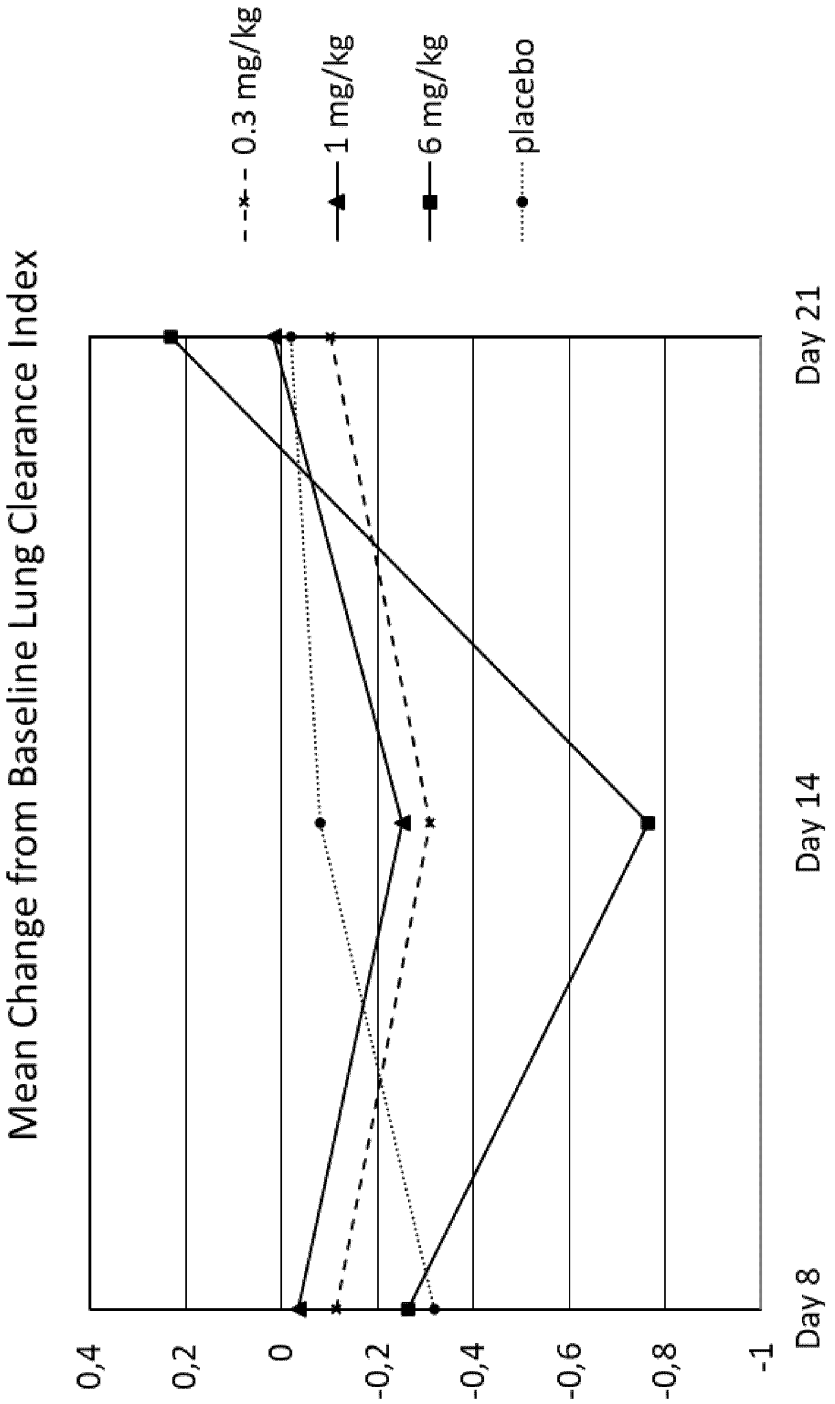

0.3 mg/kg
1 mg/kg
6 mg/kg
placebo
Mean Change from Baseline Lung Clearance Index
0,4
0,2
0
-0,2
-0,4
-0,6
-0,8
-1
Day 8
Day 14
Day 21

Figure 8A

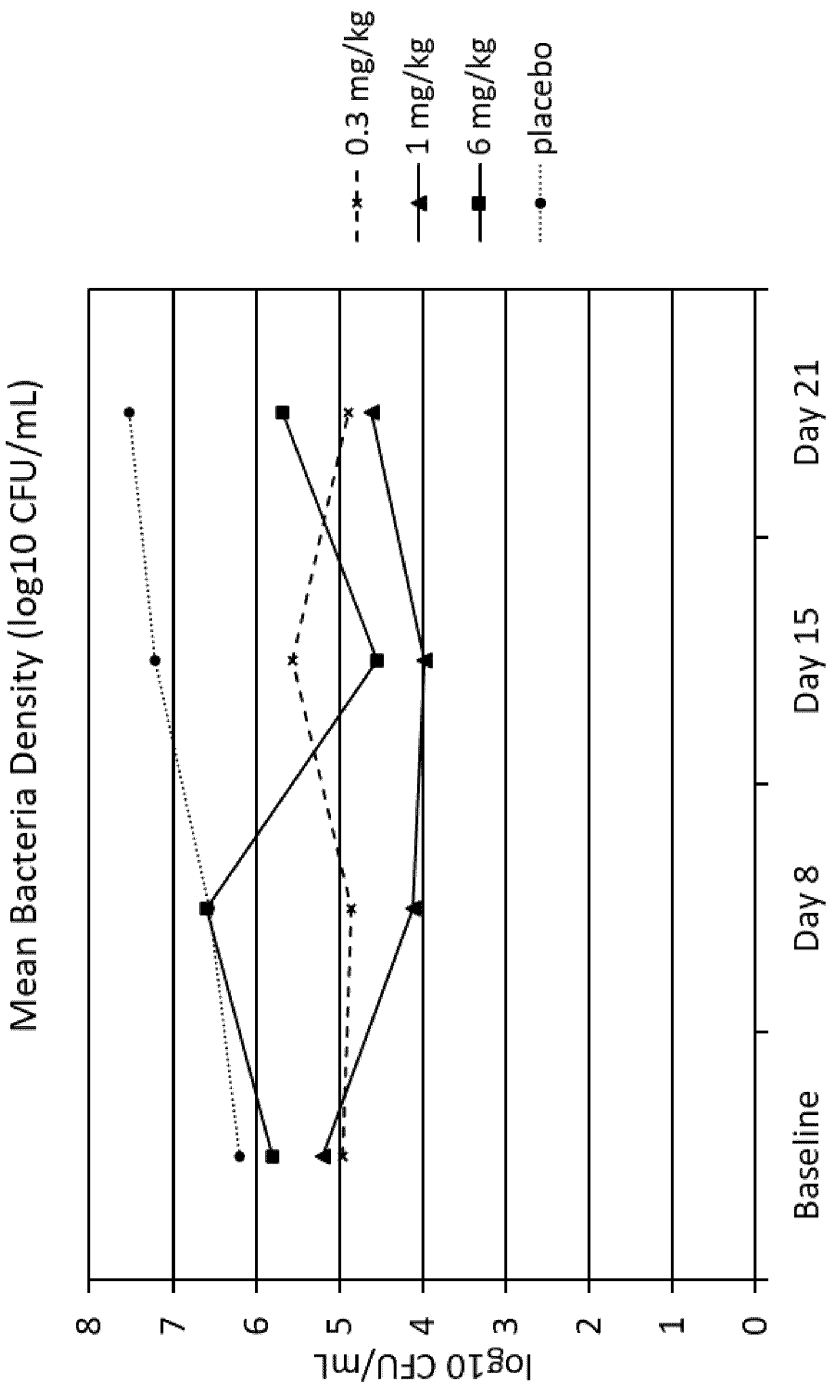

Mean Bacteria Density (log10 CFU/mL)
log10 CFU/mL
0
1
2
3
4
5
6
7
8
Baseline
Day 8
Day 15
Day 21
0.3 mg/kg
1 mg/kg
6 mg/kg
placebo

Figure 8B

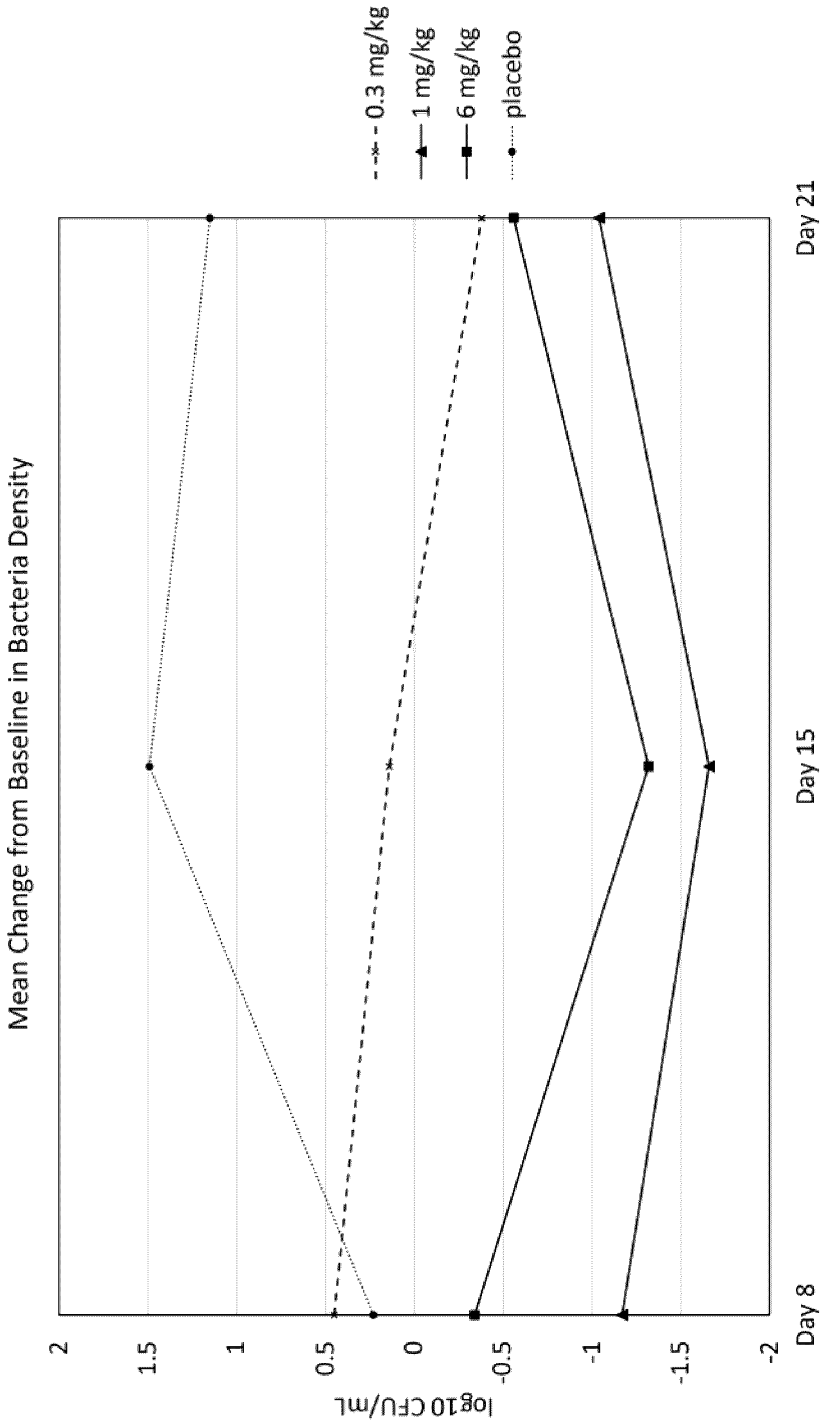

0.3 mg/kg
1 mg/kg
6 mg/kg
placebo
Mean Change from Baseline in Bacteria Density
log10 CFU/mL
2
1.5
1
0.5
0
-0.5
-1
-1.5
-2
Day 8
Day 15
Day 21

Figure 9A

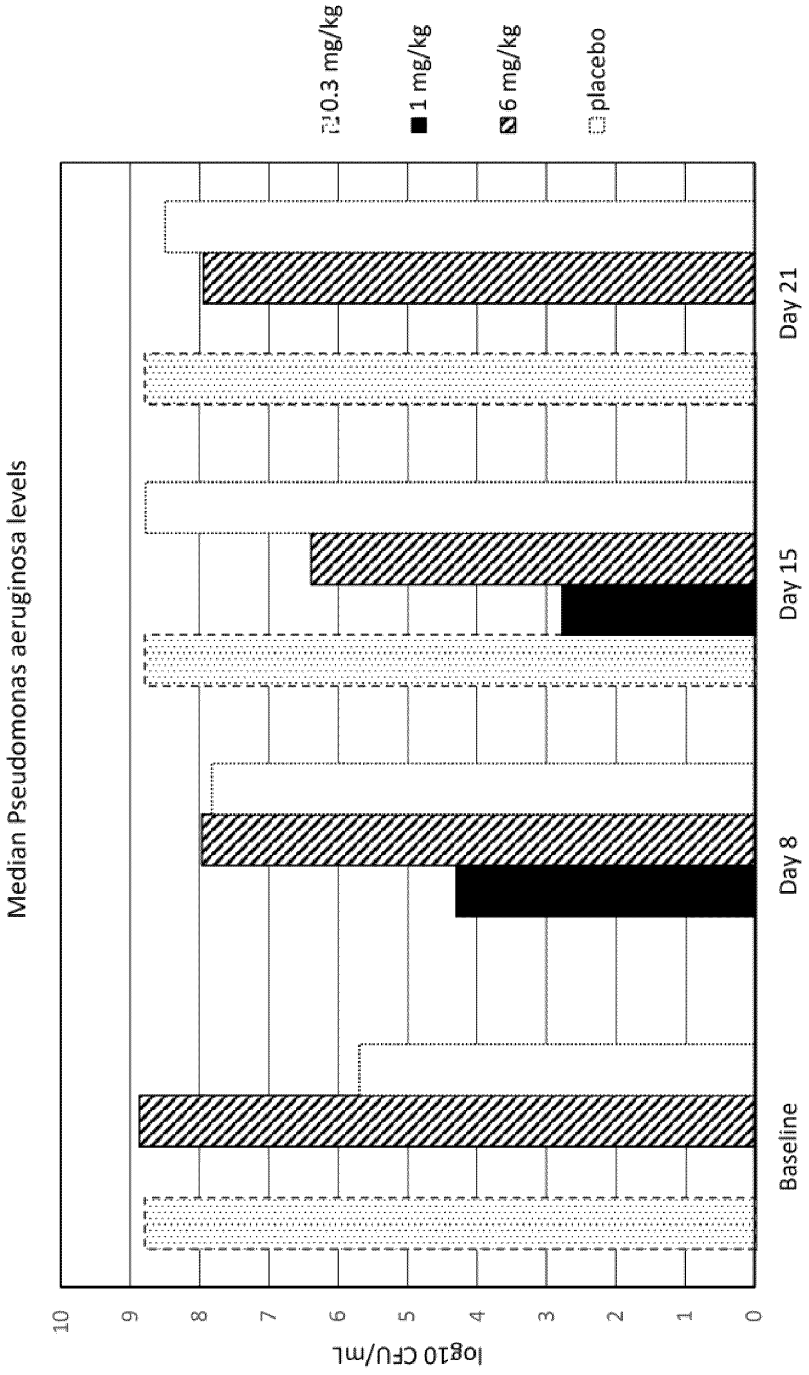

0.3 mg/kg
1 mg/kg
6 mg/kg
placebo
Median Pseudomonas aeruginosa levels
Day 21
Day 15
Day 8
Baseline
log10 CFU/mL
10
9
8
7
6
5
4
3
2
1
0

Figure 9B

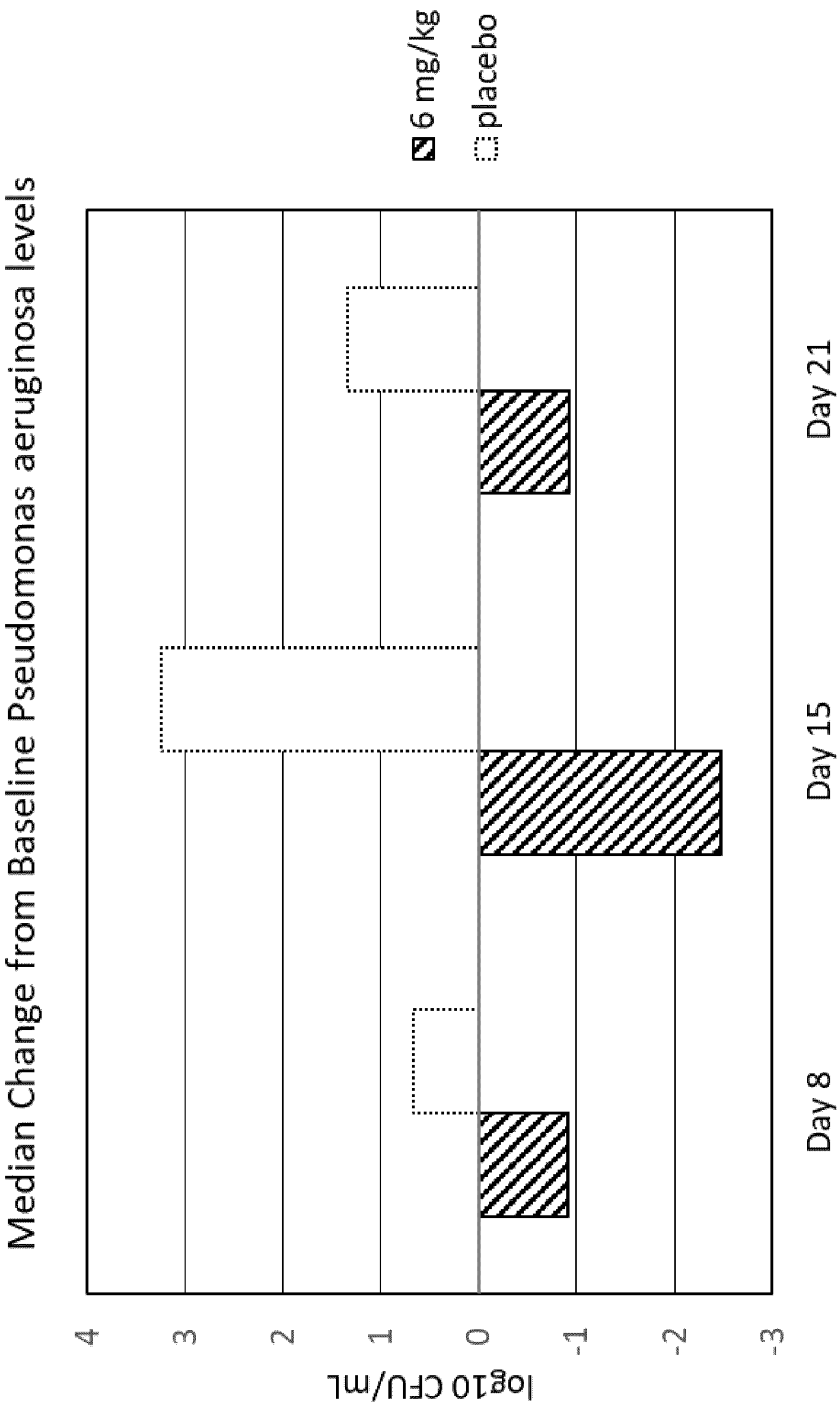

6 mg/kg
placebo
Median Change from Baseline Pseudomonas aeruginosa levels
Day 21
Day 15
Day 8
4
3
2
1
0
-1
-2
-3
log10 CFU/mL

Figure 10A

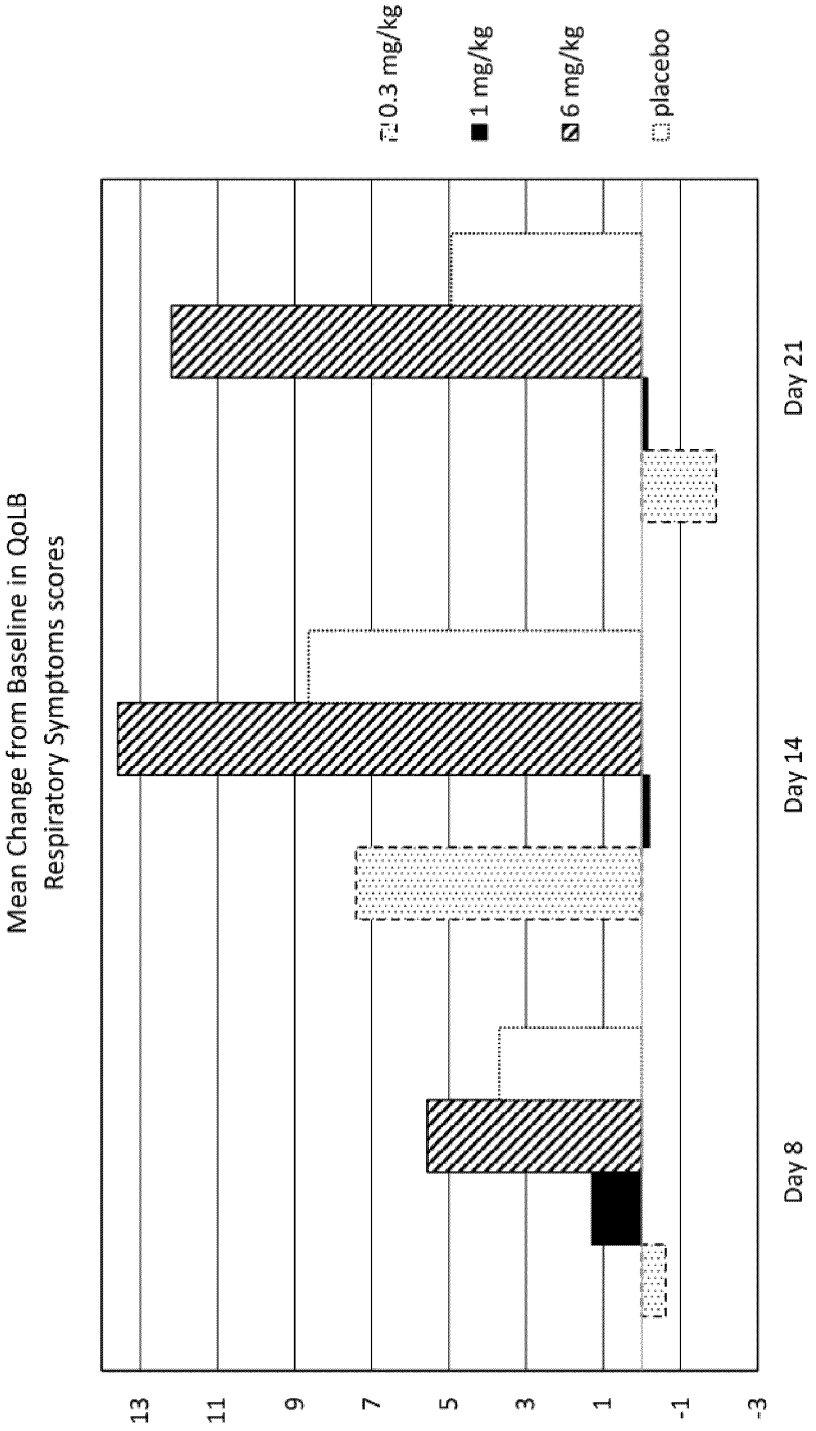

0.3 mg/kg
1 mg/kg
6 mg/kg
placebo
Mean Change from Baseline in QoLB
Respiratory Symptoms scores
13
11
9
7
5
3
1
-1
-3
Day 8
Day 14
Day 21

Figure 10B

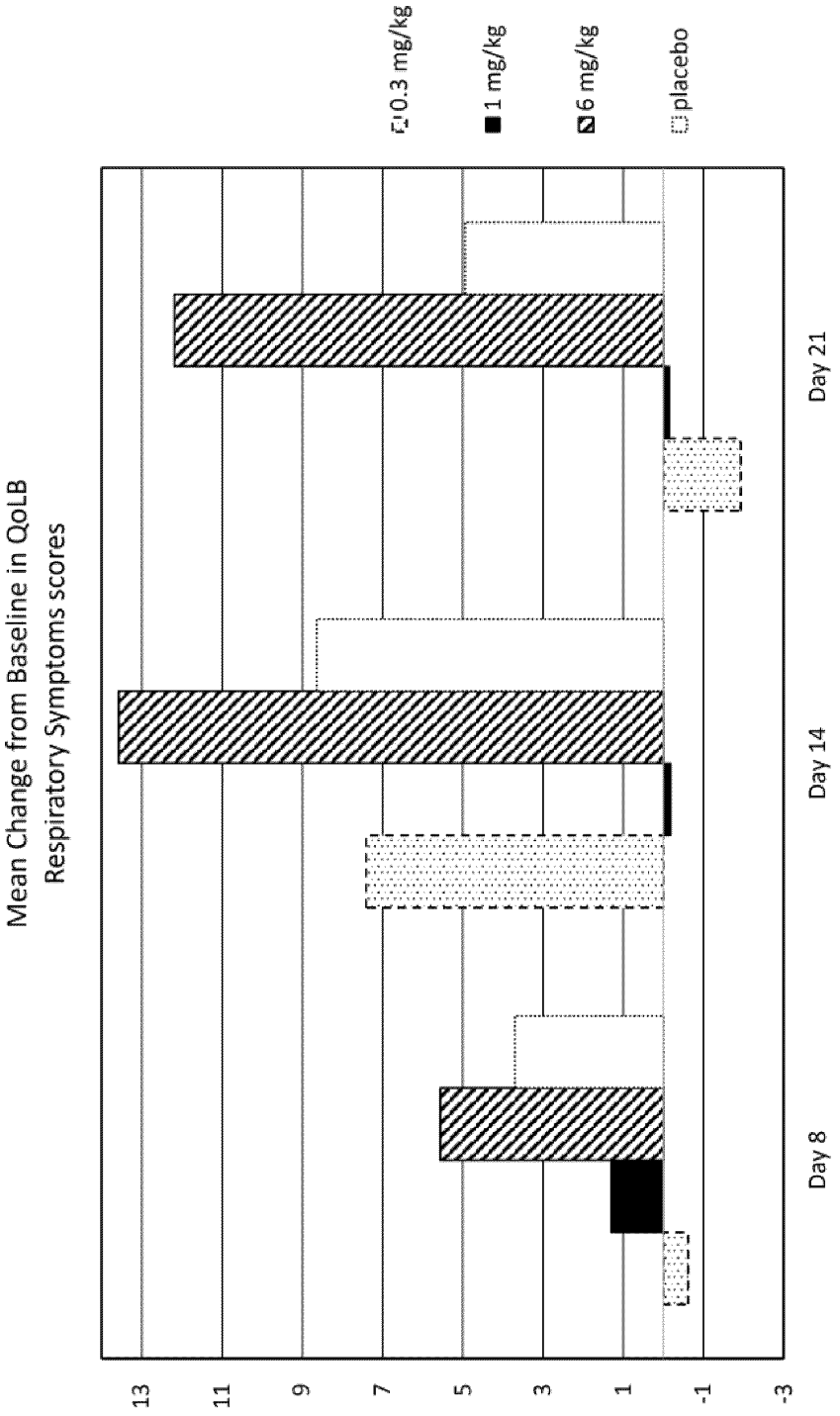
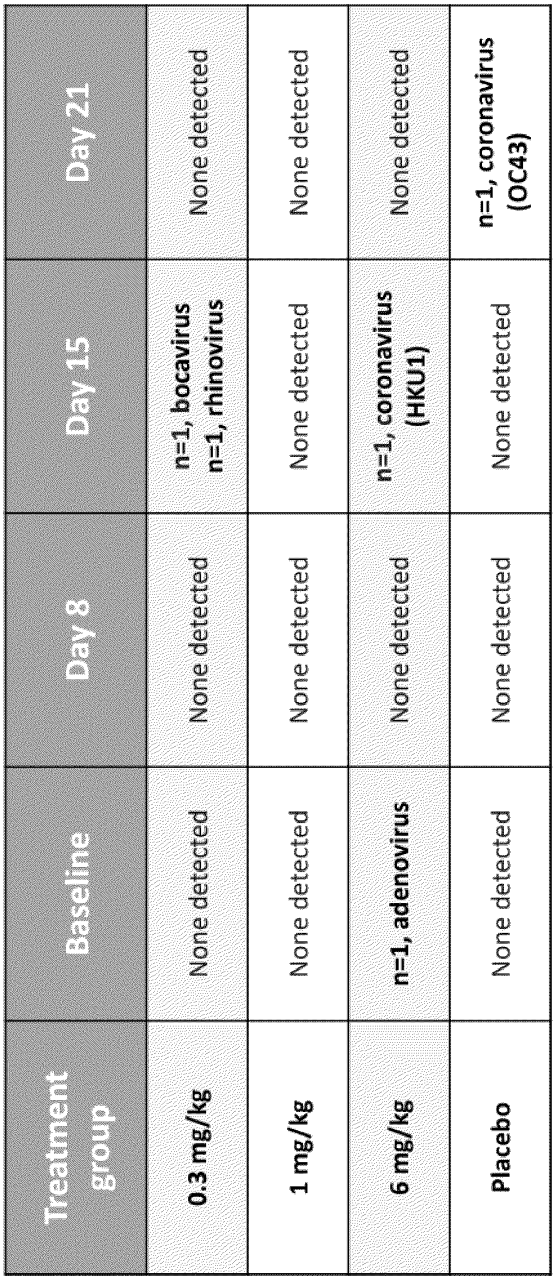

0.3 mg/kg
1 mg/kg
6 mg/kg
placebo
Mean Change from Baseline in QoLB
Respiratory Symptoms scores
Day 21
Day 14
Day 8
13
11
9
7
5
3
1
-1
-3

Figure 11



Treatment group	Baseline	Day 8	Day 15	Day 21
0.3 mg/kg	None detected	None detected	**n=1, bocavirus n=1, rhinovirus**	None detected
1 mg/kg	None detected	None detected	None detected	None detected
6 mg/kg	**n=1, adenovirus**	None detected	**n=1, coronavirus (HKU1)**	None detected
Placebo	None detected	None detected	None detected	**n=1, coronavirus (OC43)**