Fig. 1

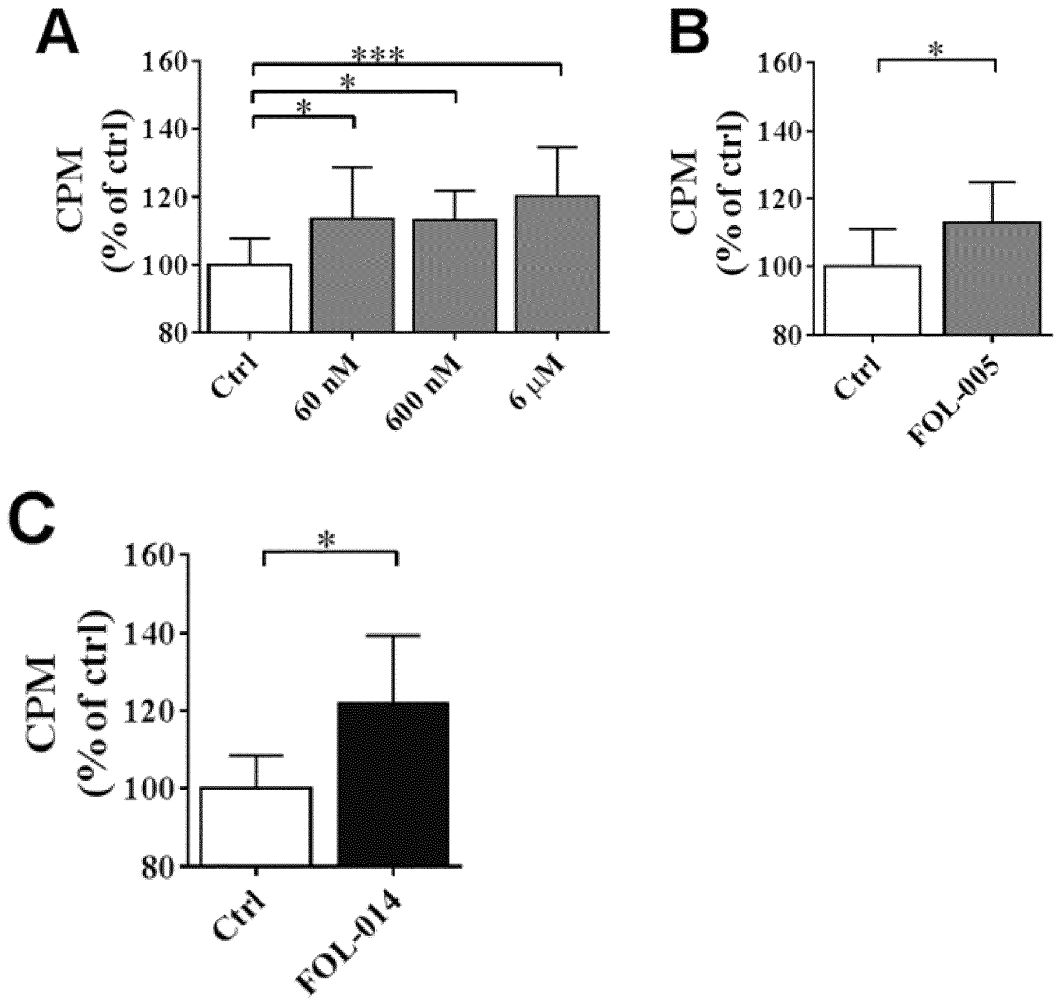

A
CPM (% of ctrl)
160
140
120
100
80
***
*
*
Ctrl
60 nM
600 nM
6 µM
B
CPM (% of ctrl)
160
140
120
100
80
*
Ctrl
FOL-005
C
CPM (% of ctrl)
160
140
120
100
80
*
Ctrl
FOL-014

Fig. 2

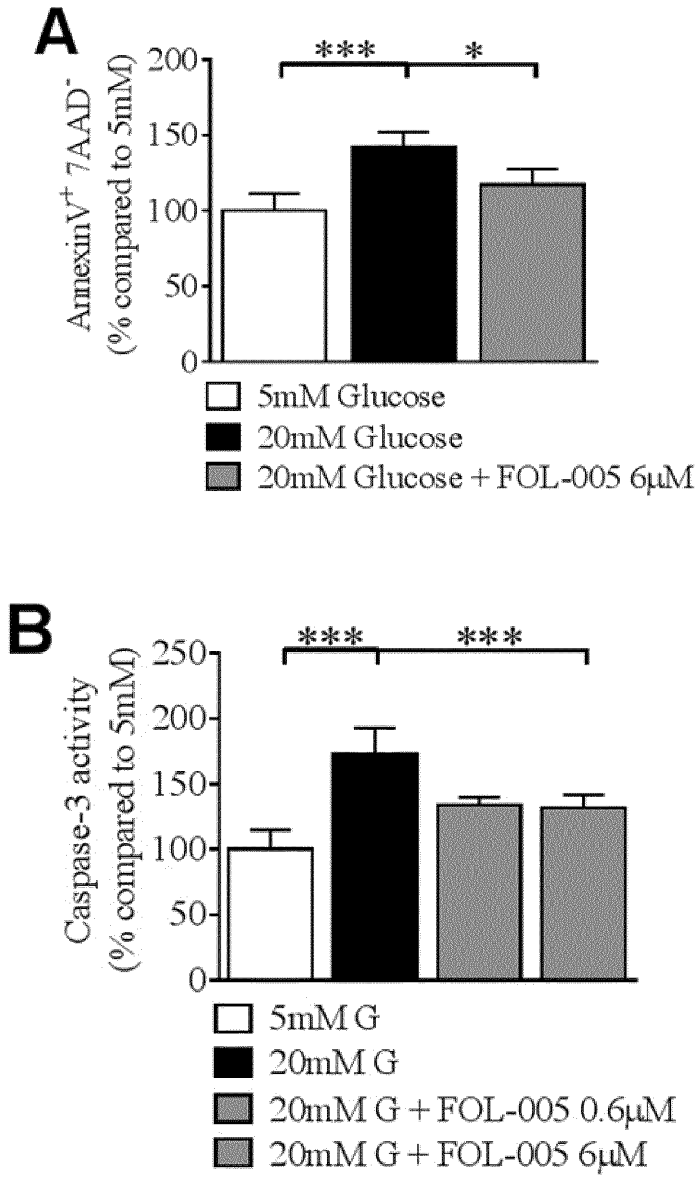

A
AnnexinV+ 7AAD-
(% compared to 5mM)
200
150
100
50
0
***
*
5mM Glucose
20mM Glucose
20mM Glucose + FOL-005 6μM
B
Caspase-3 activity
(% compared to 5mM)
250
200
150
100
50
0
***
***
5mM G
20mM G
20mM G + FOL-005 0.6μM
20mM G + FOL-005 6μM

Fig. 3

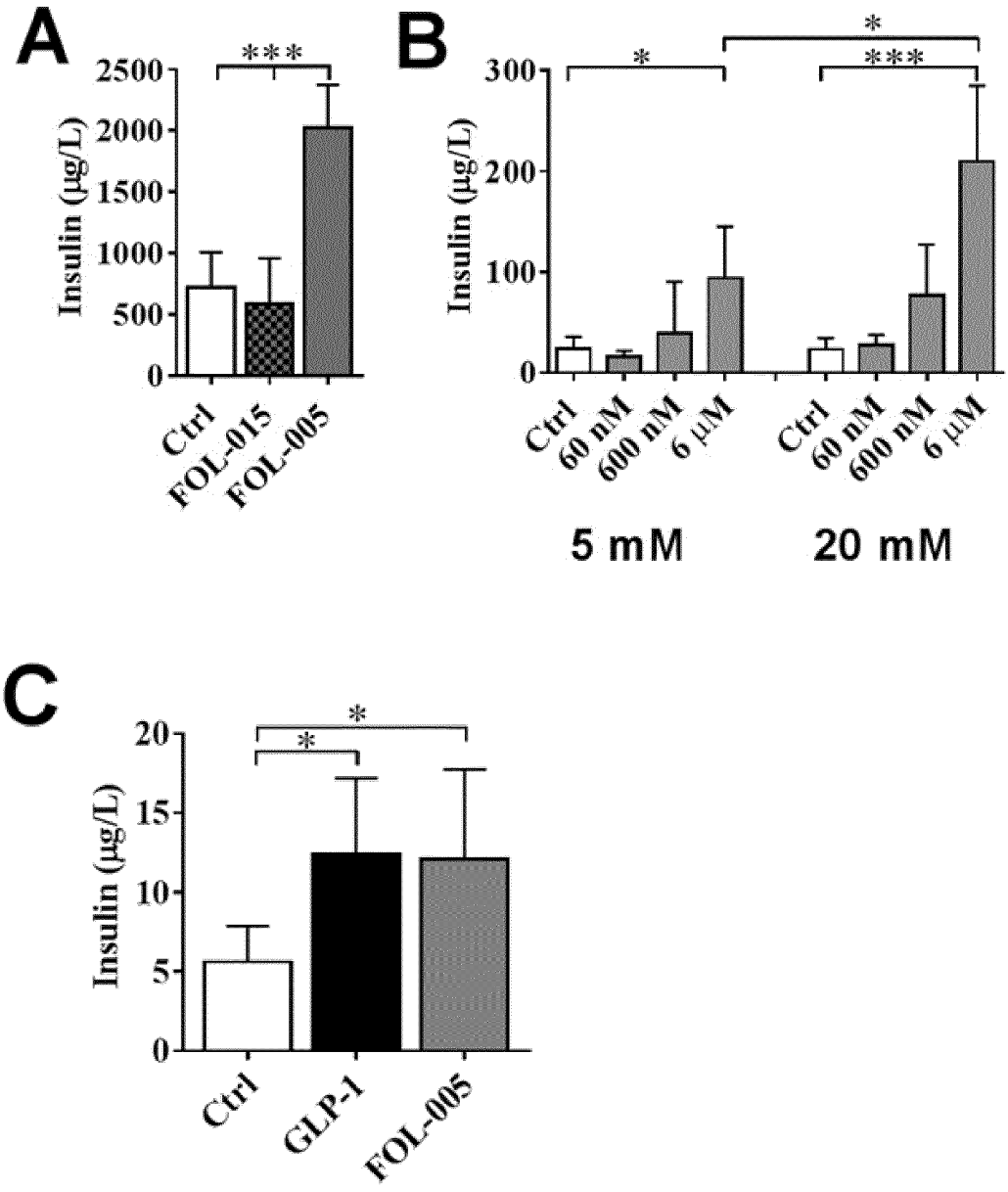

A
B
C
Insulin (µg/L)
2500
2000
1500
1000
500
0
***
Ctrl
FOL-015
FOL-005
300
200
100
*
***
Ctrl
60 nM
600 nM
6 µM
5 mM
20 mM
20
15
10
5
GLP-1
FOL-005

Fig. 4

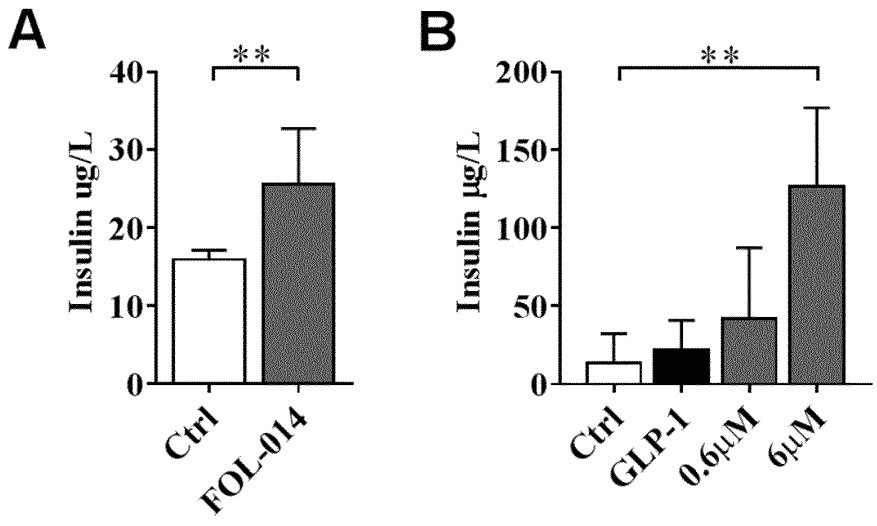

A
**
40
30
20
10
0
Insulin ug/L
Ctrl
FOL-014
B
**
200
150
100
50
0
Insulin µg/L
Ctrl
GLP-1
0.6µM
6µM

Fig. 5

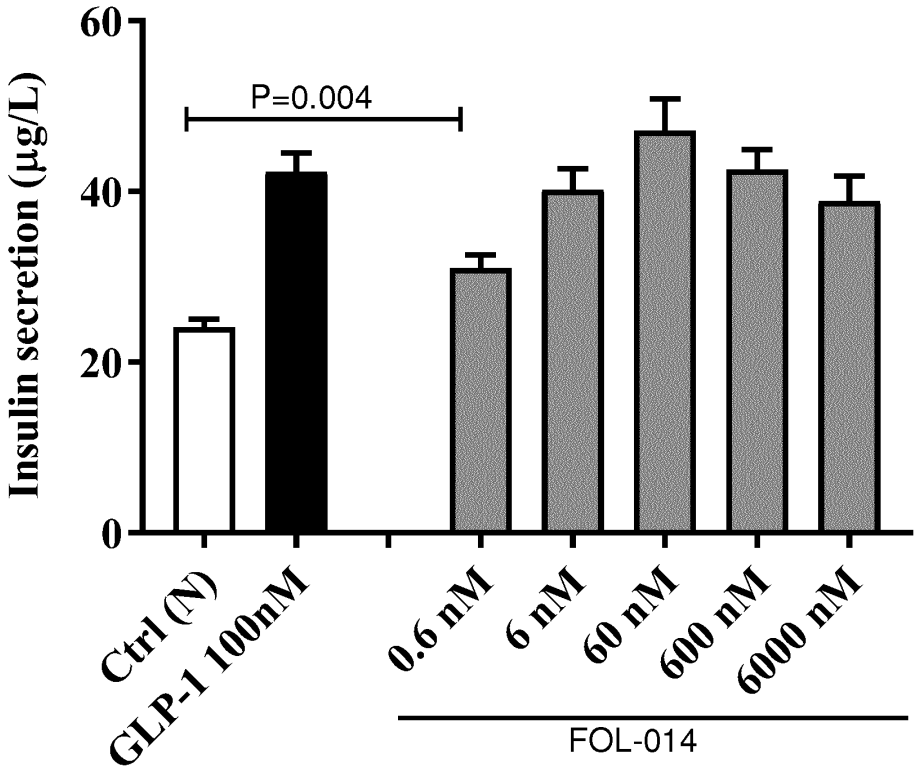

60
40
20
0
Insulin secretion (µg/L)
P=0.004
Ctrl (N)
GLP-1 100nM
0.6 nM
6 nM
60 nM
600 nM
6000 nM
FOL-014

Fig. 6

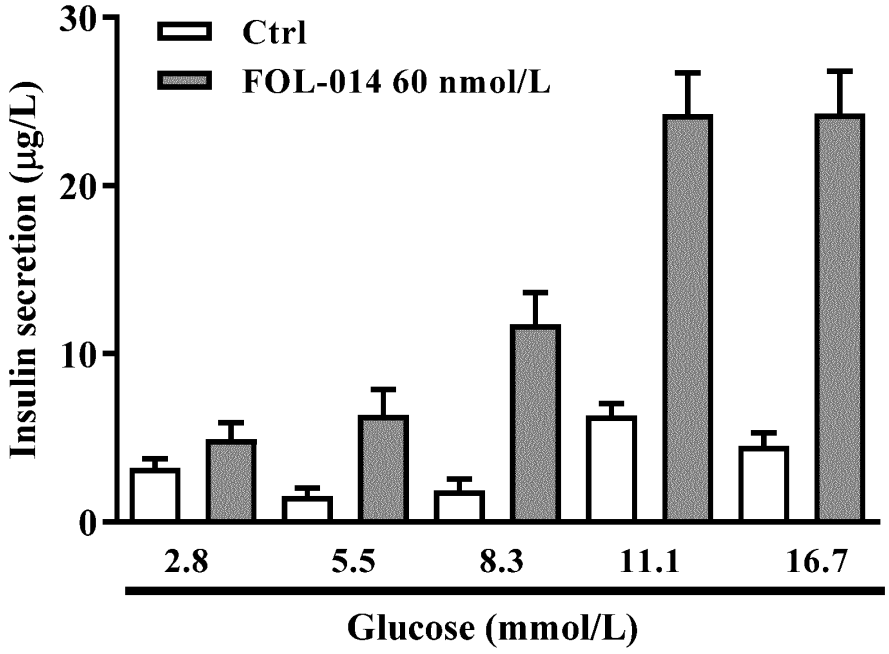

30
20
10
0
Ctrl
FOL-014 60 nmol/L
Insulin secretion (µg/L)
2.8
5.5
8.3
11.1
16.7
Glucose (mmol/L)

Fig. 7

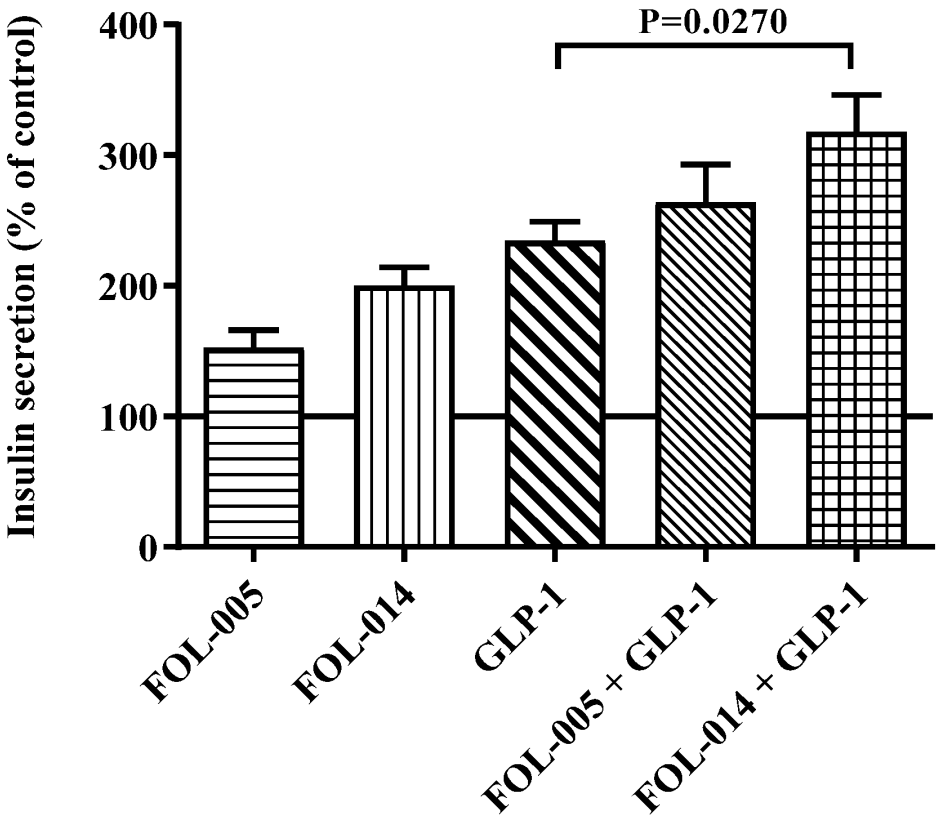

P=0.0270
Insulin secretion (% of control)
400
300
200
100
0
FOL-005
FOL-014
GLP-1
FOL-005 + GLP-1
FOL-014 + GLP-1

Fig. 8

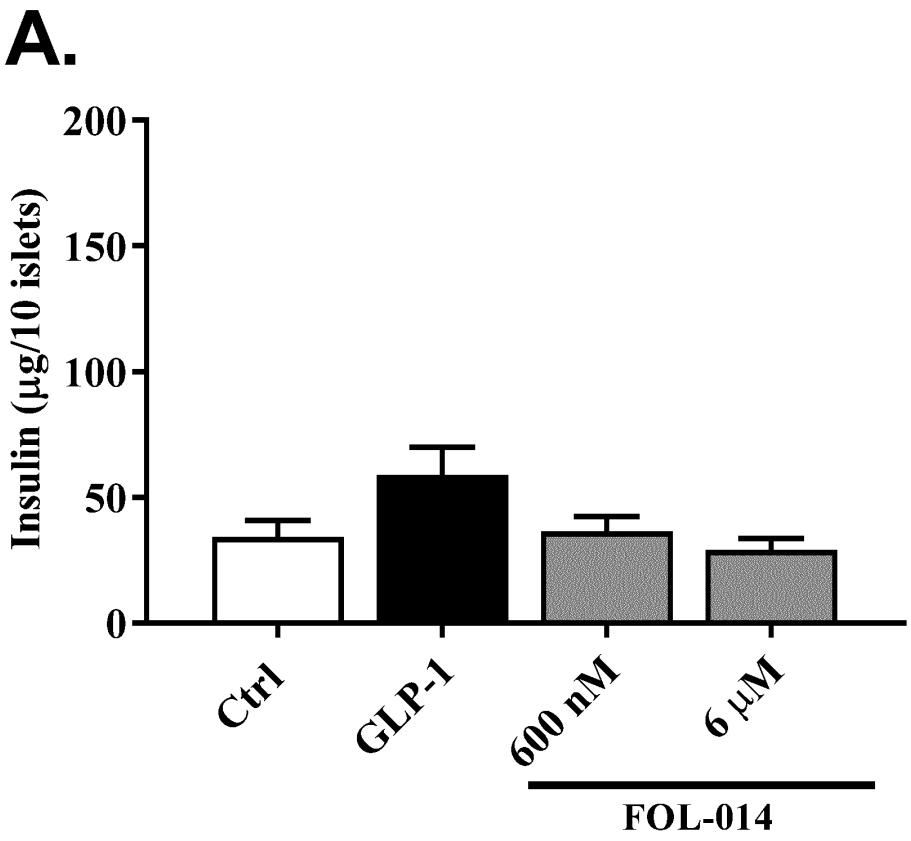

A.
200
150
100
50
0
Insulin (µg/10 islets)
Ctrl
GLP-1
600 nM
6 µM
FOL-014

Fig. 8, cont.

B.

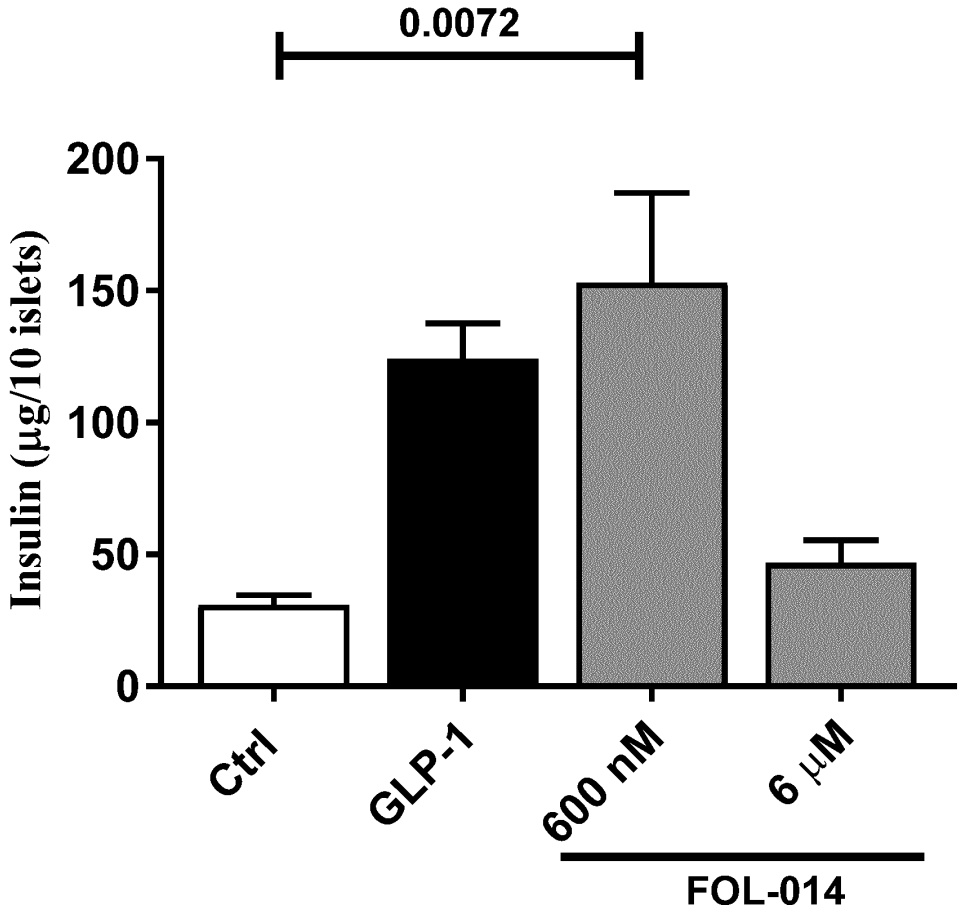

0.0072
200
150
100
50
0
Insulin (µg/10 islets)
Ctrl
GLP-1
600 nM
6 µM
FOL-014

Fig. 8, cont.

C.

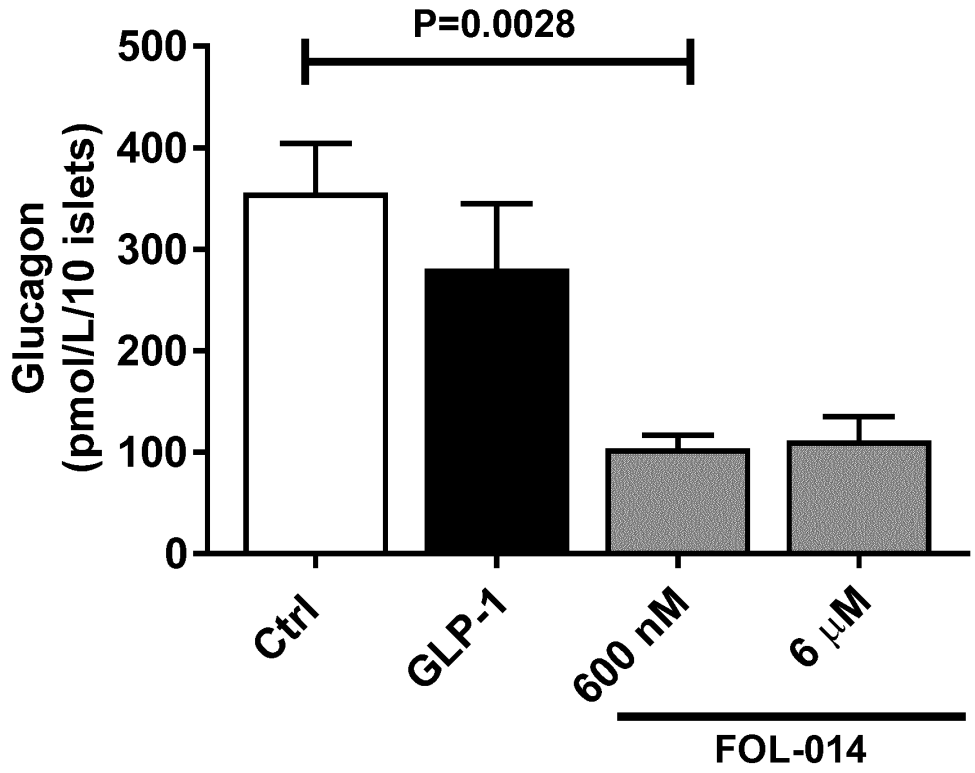

P=0.0028
500
400
300
200
100
0
Glucagon (pmol/L/10 islets)
Ctrl
GLP-1
600 nM
6 μM
FOL-014

Fig. 8, cont.

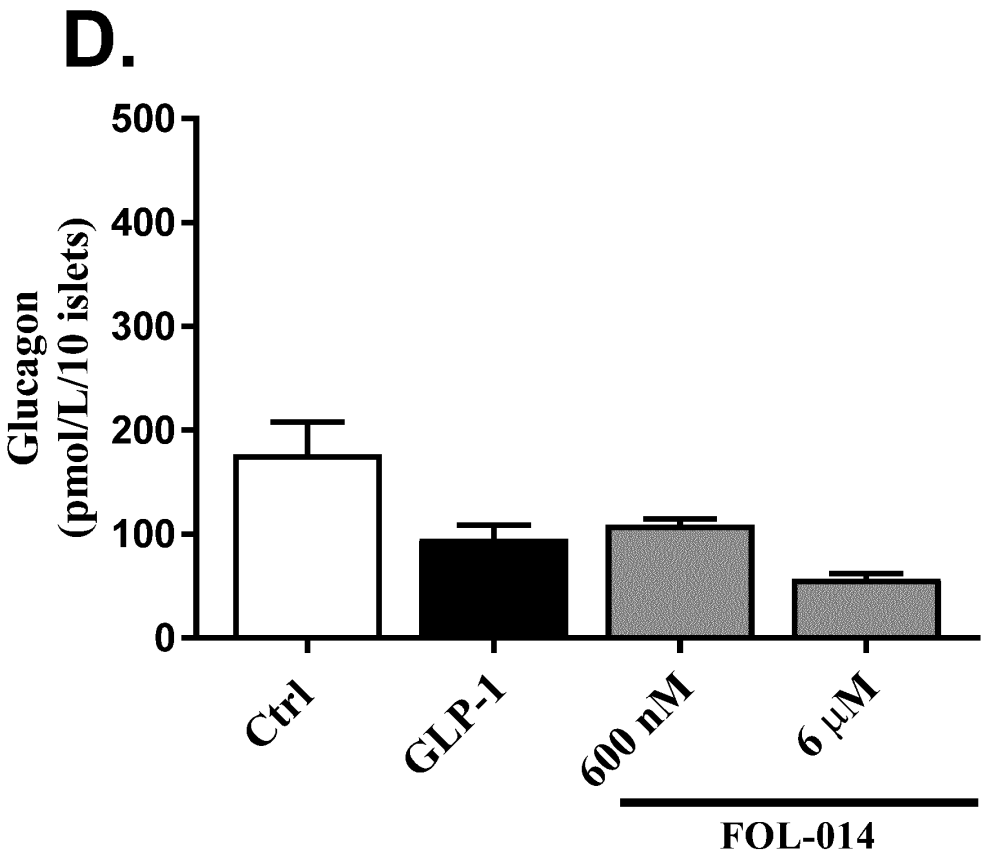

D.
Glucagon (pmol/L/10 islets)
500
400
300
200
100
0
Ctrl
GLP-1
600 nM
6 μM
FOL-014

Fig. 9

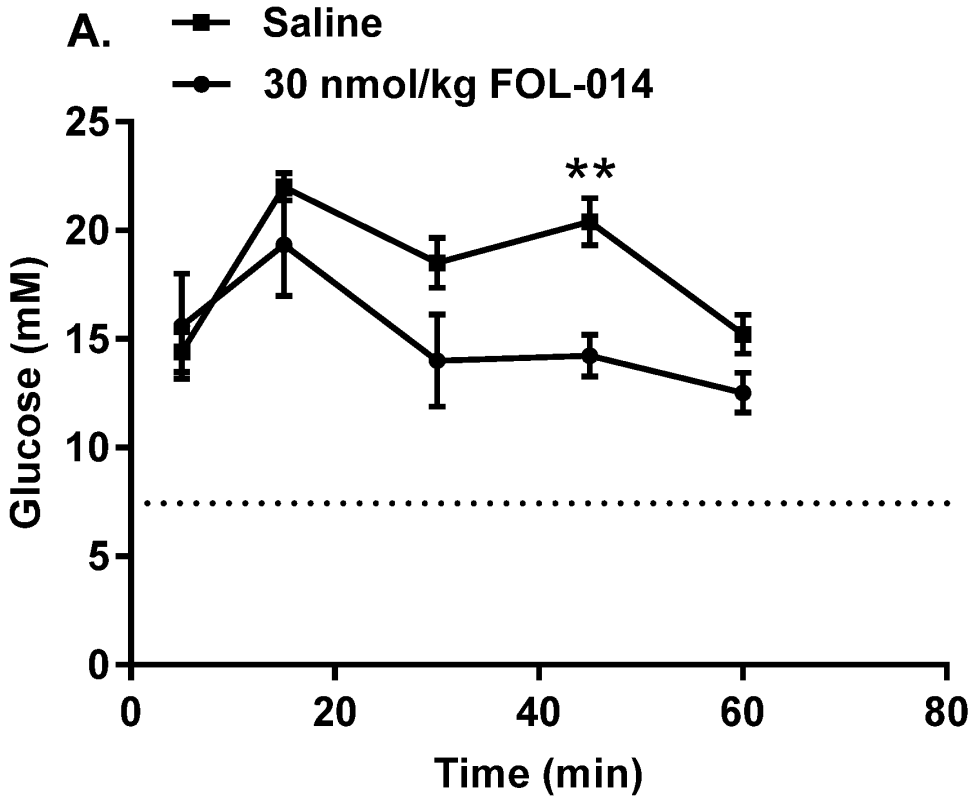

A.
Saline
30 nmol/kg FOL-014
**
Glucose (mM)
25
20
15
10
5
0
0
20
40
60
80
Time (min)

Fig. 9, cont.

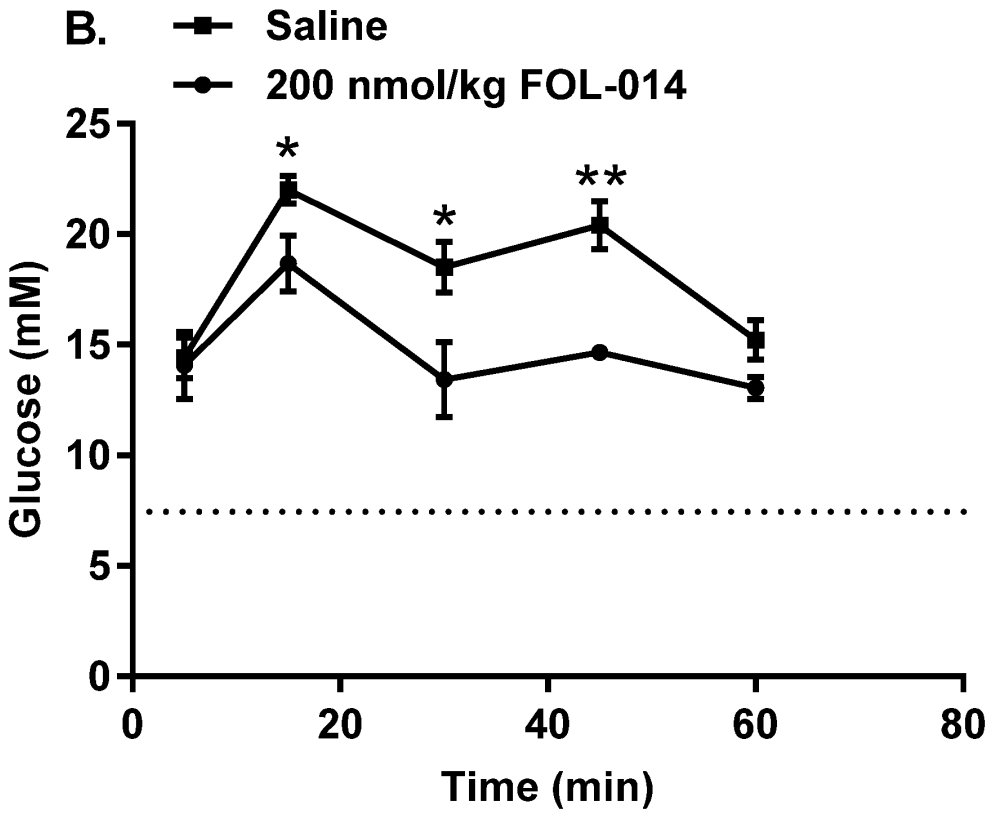

B.
Saline
200 nmol/kg FOL-014
Glucose (mM)
25
20
15
10
5
0
*
*
**
0
20
40
60
80
Time (min)

Fig. 10

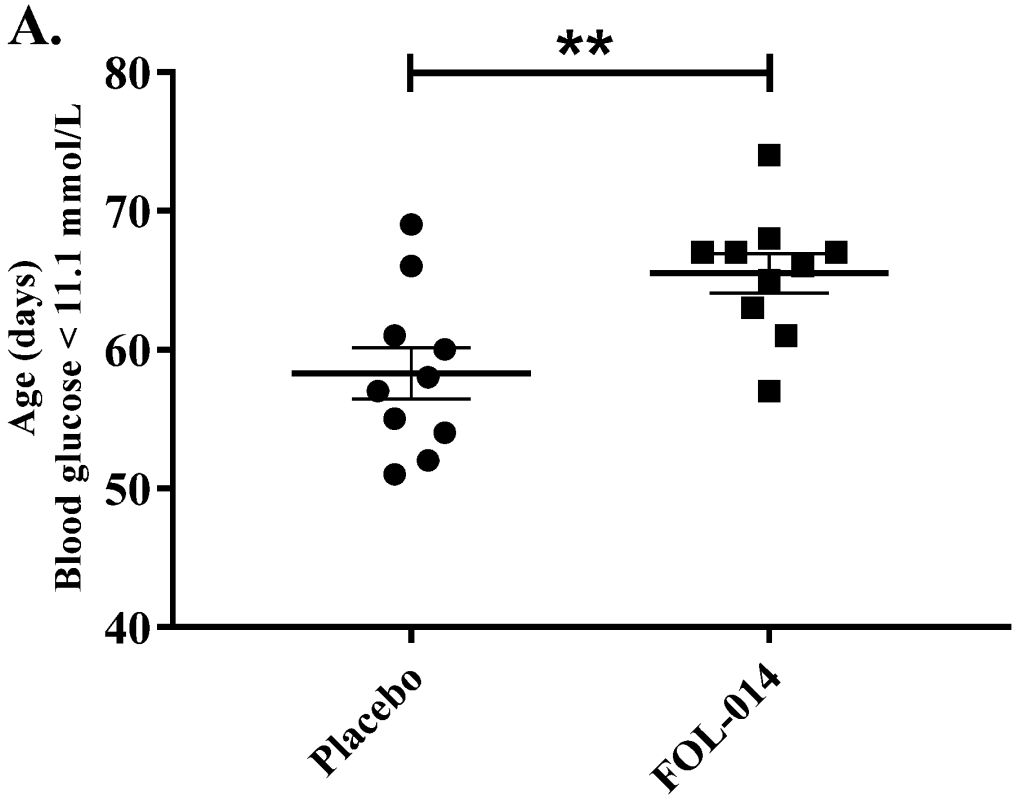

A.
**
80
70
60
50
40
Age (days)
Blood glucose < 11.1 mmol/L
Placebo
FOL-014

Fig. 10, cont.

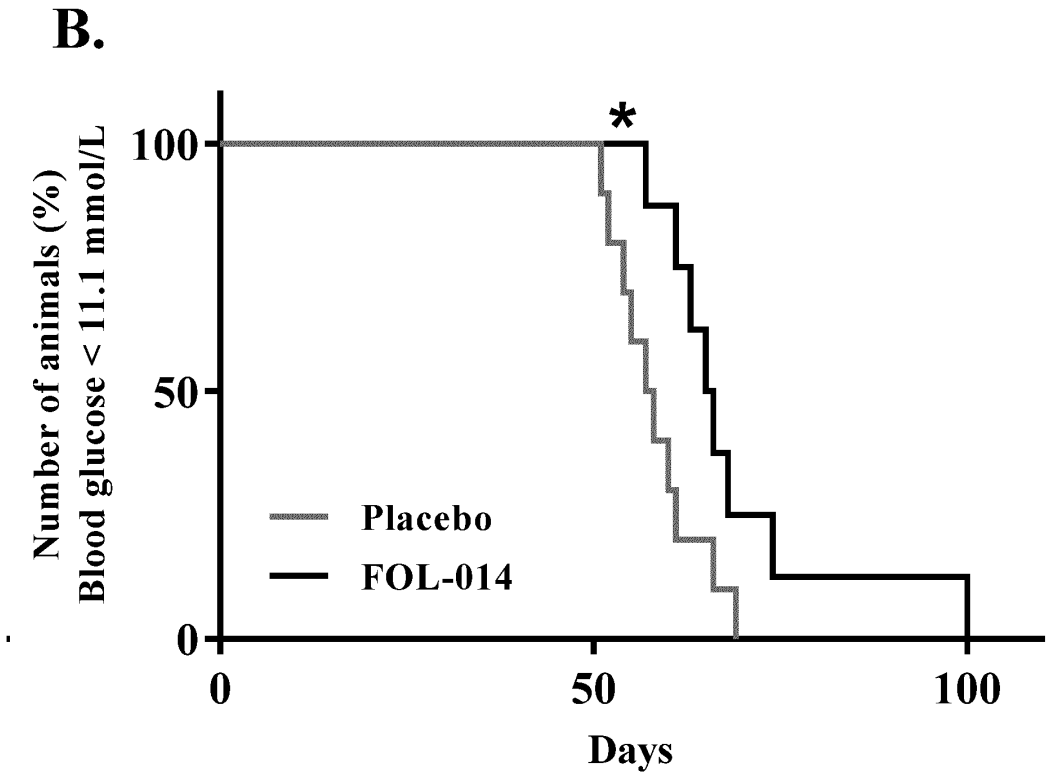
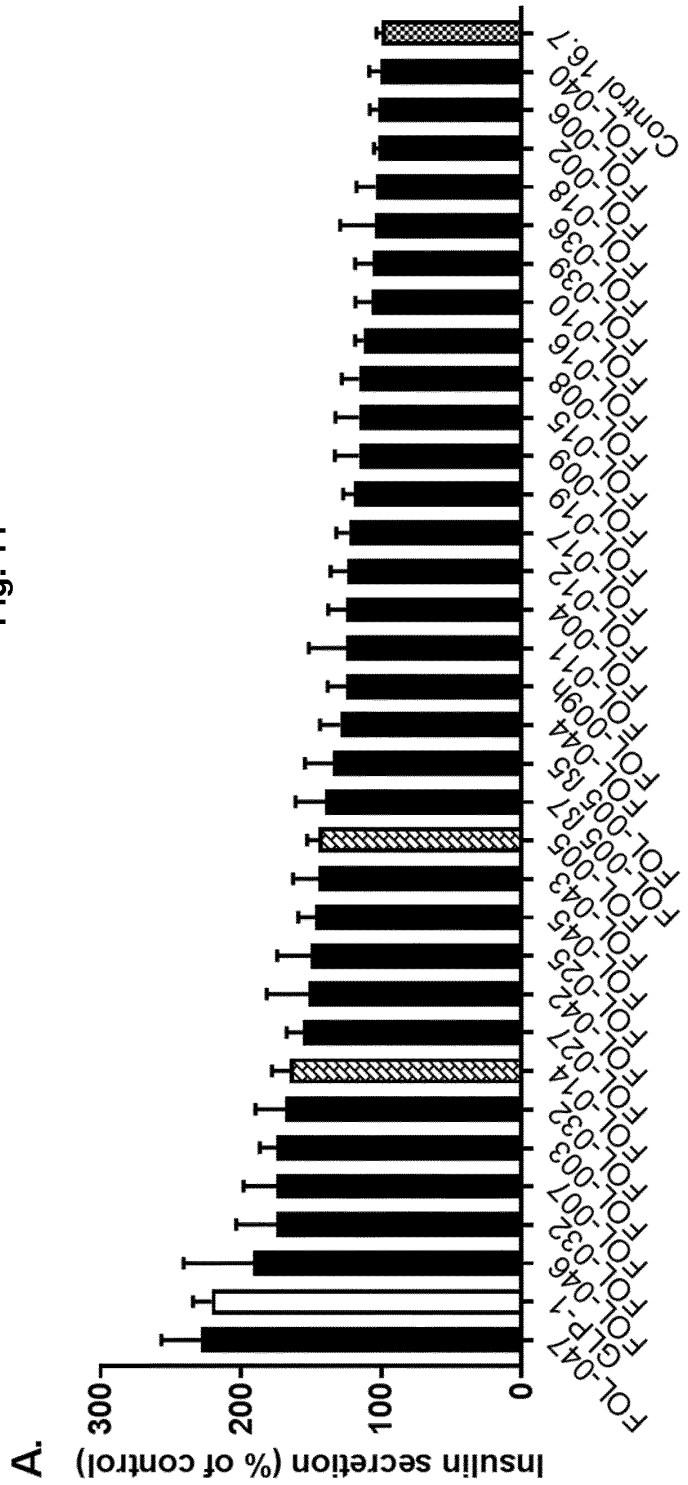

B.
Number of animals (%)
Blood glucose < 11.1 mmol/L
100
50
0
0
50
100
Days
*
Placebo
FOL-014

Fig. 11


A.
Insulin secretion (% of control)
300
200
100
0
FOL-047
FOL-GLP-1
FOL-046
FOL-032
FOL-007
FOL-003
FOL-032
FOL-014
FOL-027
FOL-042
FOL-025
FOL-045
FOL-043
FOL-005
FOL-005 I37
FOL-005 I35
FOL-044
FOL-009h
FOL-011
FOL-004
FOL-012
FOL-017
FOL-019
FOL-009
FOL-015
FOL-008
FOL-016
FOL-010
FOL-039
FOL-036
FOL-018
FOL-002
FOL-006
FOL-040
Control 16.7

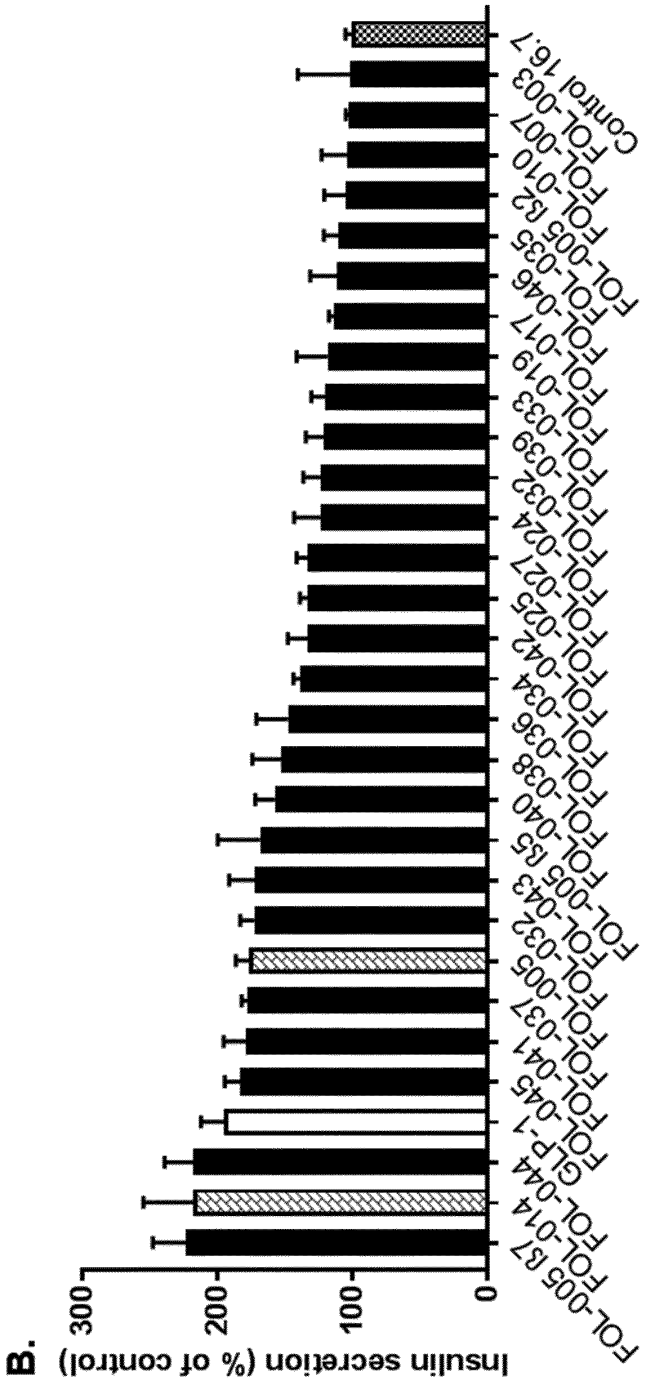

B.
Insulin secretion (% of control)
300
200
100
0
FOL-005 R7
FOL-014
GLP-1
FOL-045
FOL-041
FOL-037
FOL-005
FOL-032
FOL-043
FOL-005 R5
FOL-040
FOL-038
FOL-036
FOL-034
FOL-042
FOL-025
FOL-027
FOL-024
FOL-032
FOL-039
FOL-033
FOL-019
FOL-017
FOL-046
FOL-035
FOL-005 R2
FOL-010
FOL-007
FOL-003
Control 16.7

Fig. 11, cont.

Fig. 12

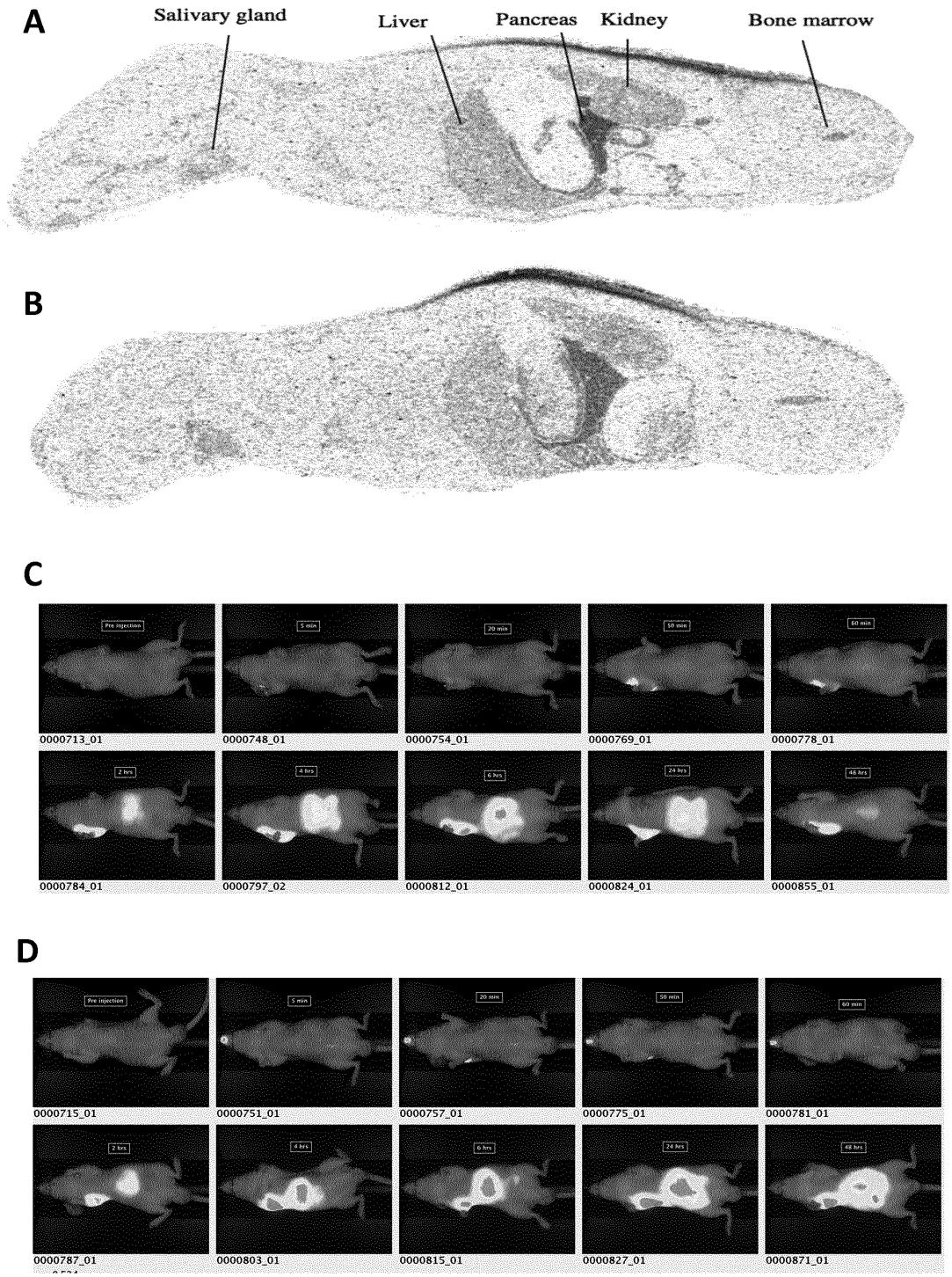

A
Salivary gland
Liver
Pancreas
Kidney
Bone marrow
B
C
Pre injection
5 min
20 min
50 min
60 min
0000713_01
0000748_01
0000754_01
0000769_01
0000778_01
2 hrs
4 hrs
6 hrs
24 hrs
46 hrs
0000784_01
0000797_02
0000812_01
0000824_01
0000855_01
D
Pre injection
5 min
20 min
50 min
60 min
0000715_01
0000751_01
0000757_01
0000775_01
0000781_01
2 hrs
4 hrs
6 hrs
24 hrs
48 hrs
0000787_01
0000803_01
0000815_01
0000827_01
0000871_01

Fig. 13

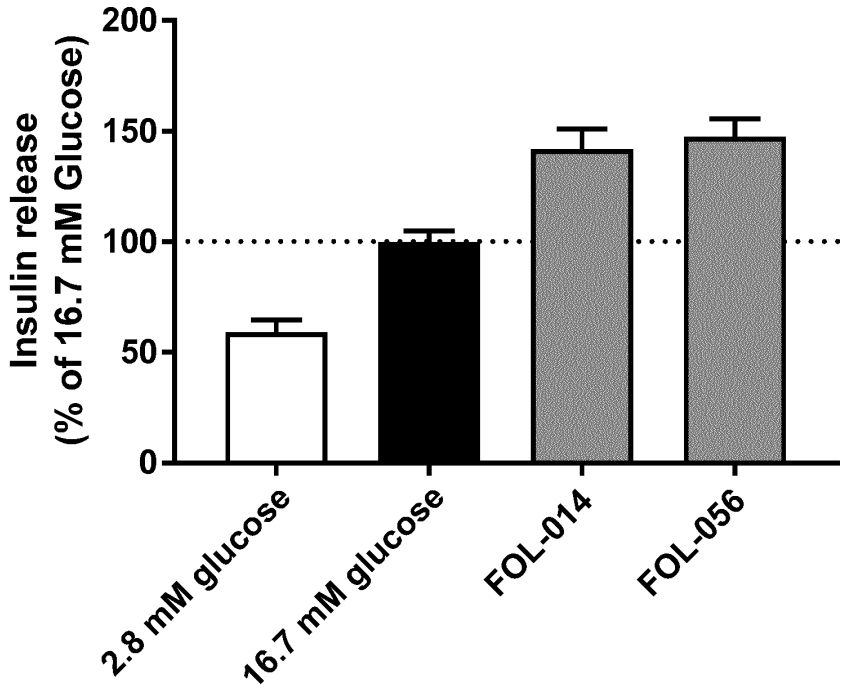

Insulin release
(% of 16.7 mM Glucose)
200
150
100
50
0
2.8 mM glucose
16.7 mM glucose
FOL-014
FOL-056

Fig. 14

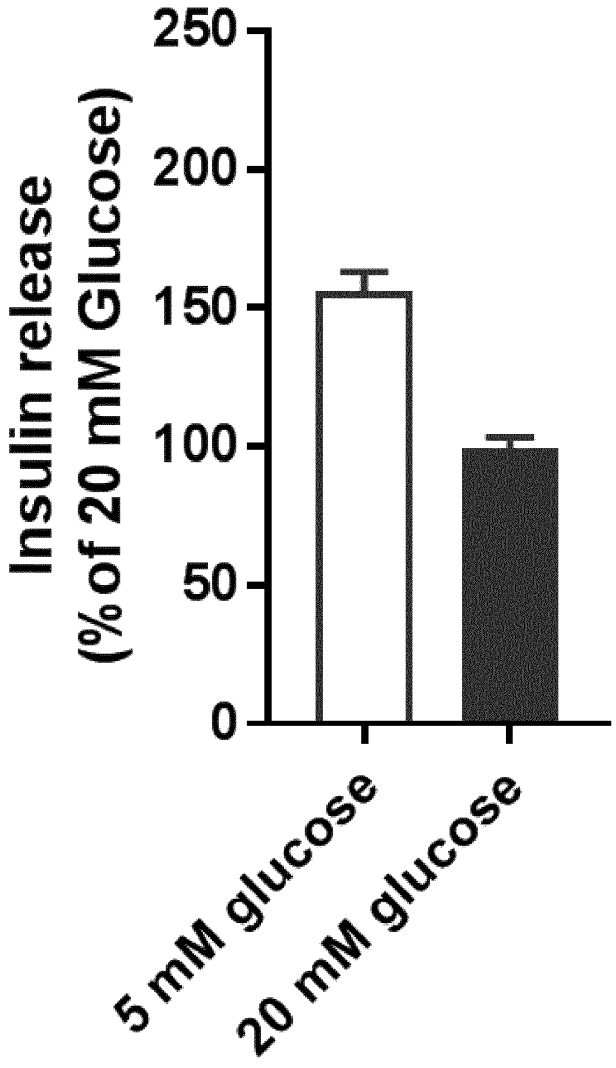

Insulin release
(% of 20 mM Glucose)
250
200
150
100
50
0
5 mM glucose
20 mM glucose

Fig. 14, cont

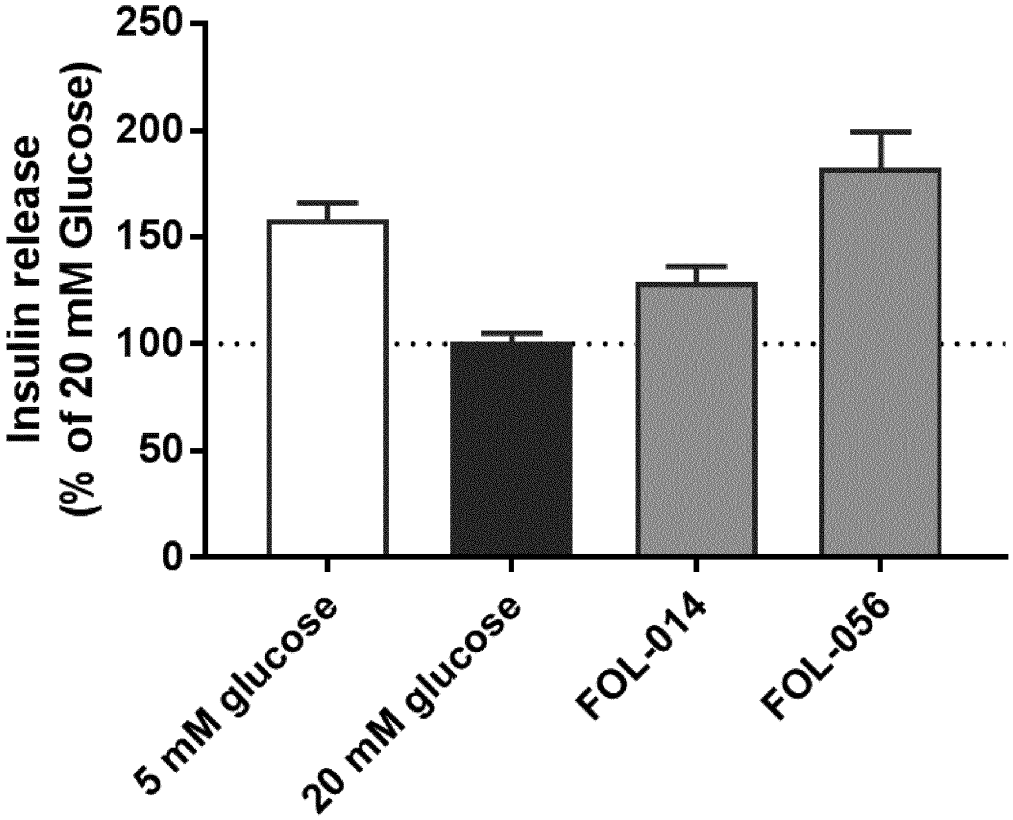

Insulin release
(% of 20 mM Glucose)
250
200
150
100
50
0
5 mM glucose
20 mM glucose
FOL-014
FOL-056

Fig. 15

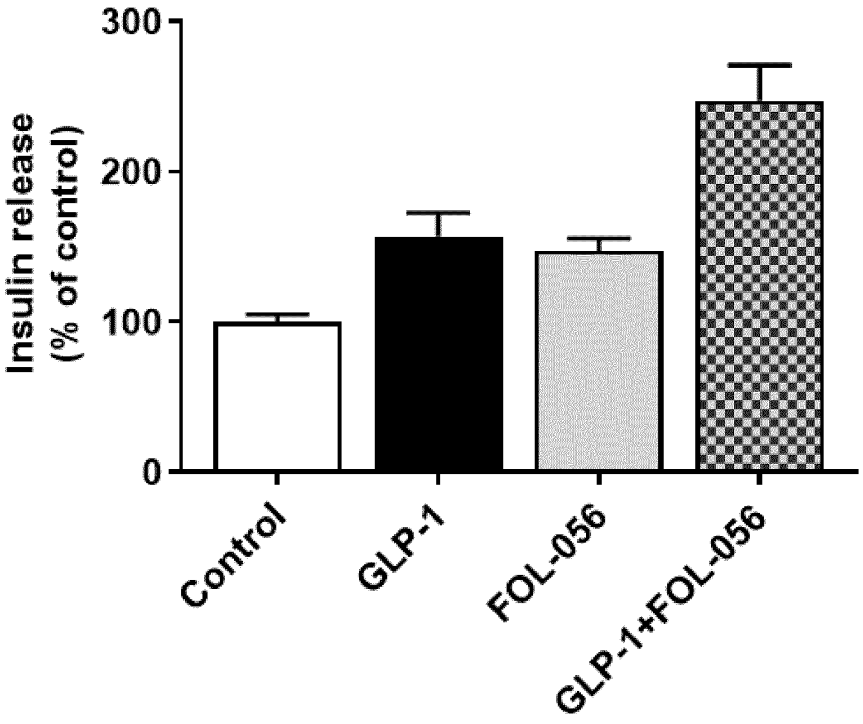

Insulin release
(% of control)
300
200
100
0
Control
GLP-1
FOL-056
GLP-1+FOL-056

Fig. 16

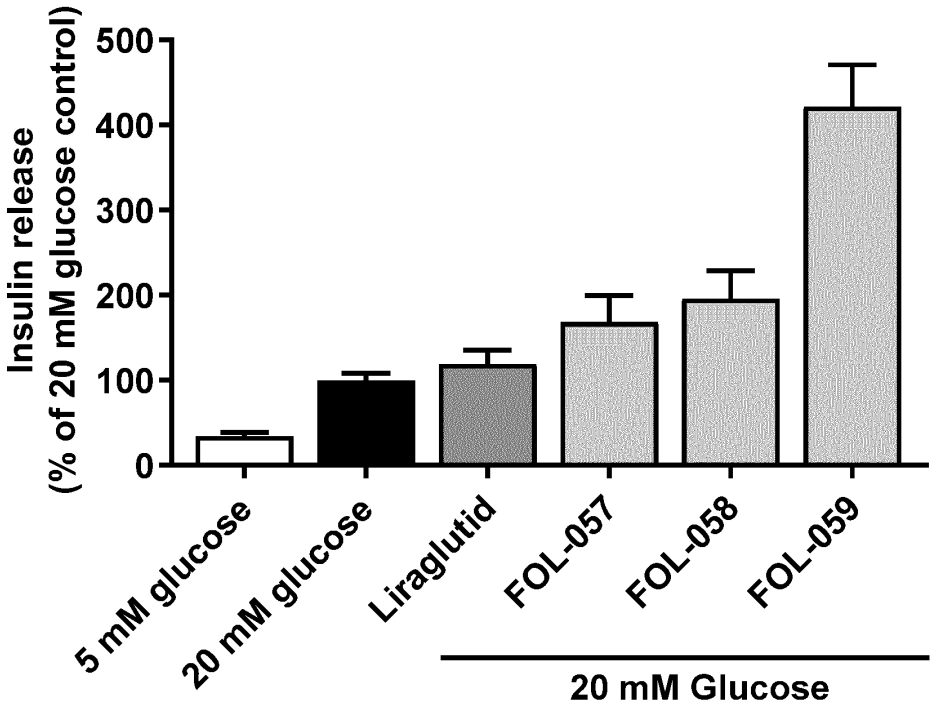

Insulin release
(% of 20 mM glucose control)
500
400
300
200
100
0
5 mM glucose
20 mM glucose
Liraglutid
FOL-057
FOL-058
FOL-059
20 mM Glucose

Fig. 17

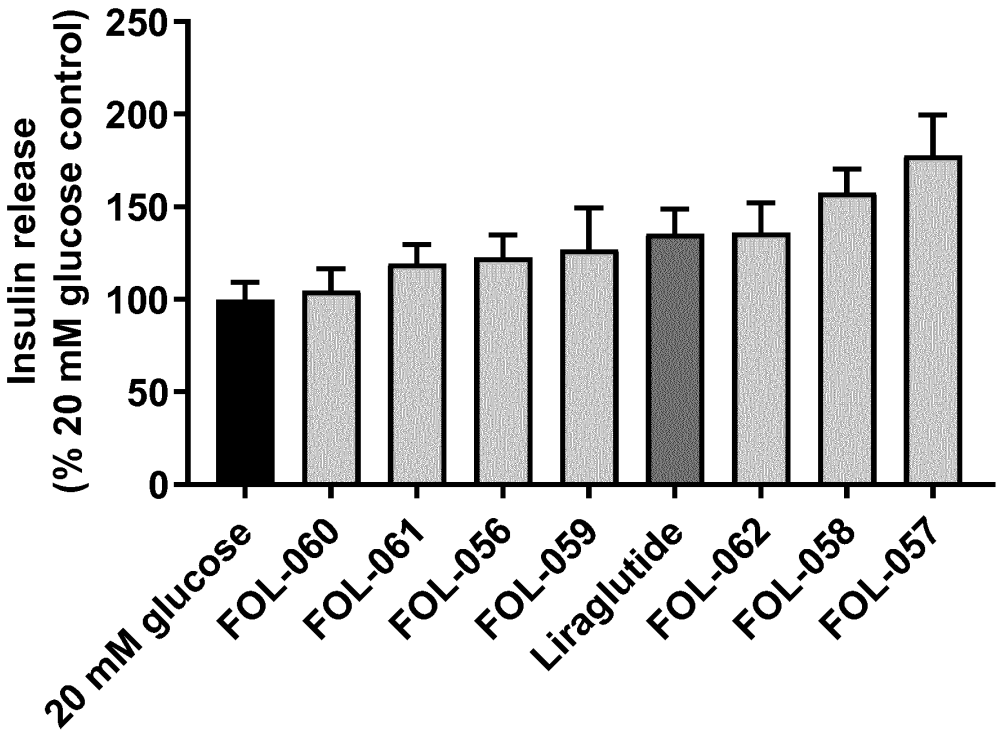

Insulin release
(% 20 mM glucose control)
250
200
150
100
50
0
20 mM glucose
FOL-060
FOL-061
FOL-056
FOL-059
Liraglutide
FOL-062
FOL-058
FOL-057

Fig. 18

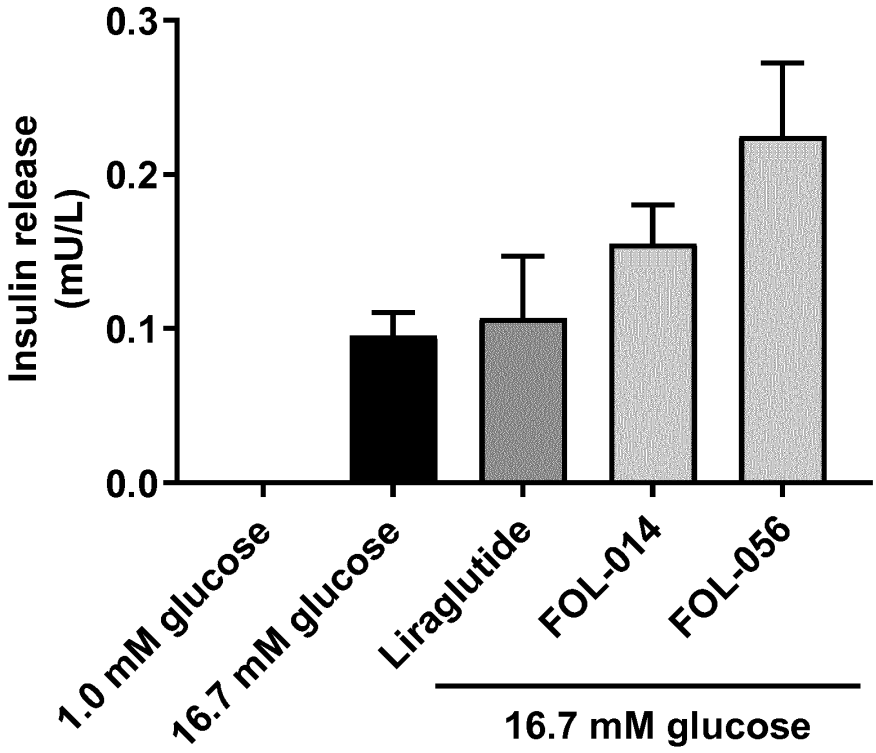

0.3
0.2
0.1
0.0
Insulin release (mU/L)
1.0 mM glucose
16.7 mM glucose
Liraglutide
FOL-014
FOL-056
16.7 mM glucose

Fig. 19

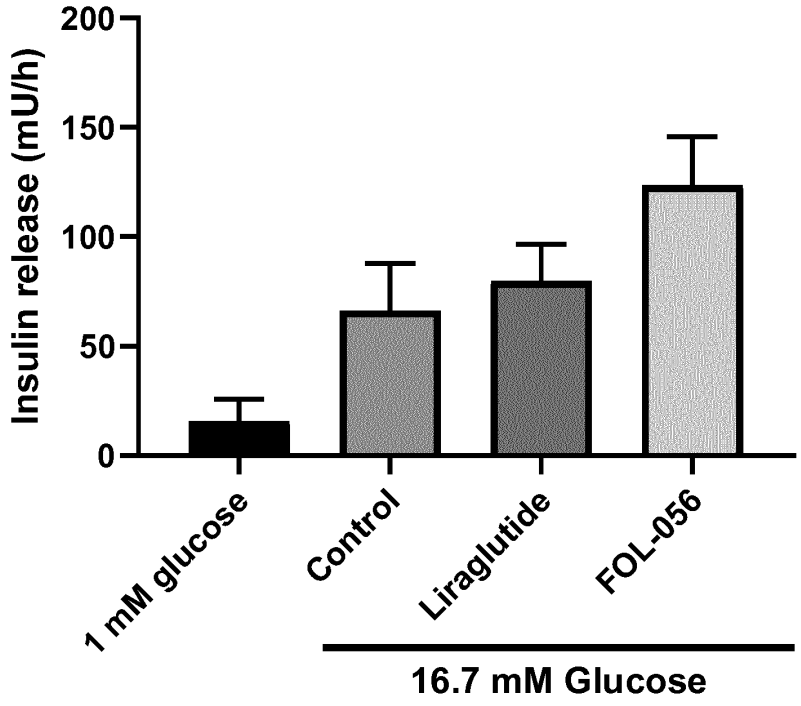

Insulin release (mU/h)
200
150
100
50
0
1 mM glucose
Control
Liraglutide
FOL-056
16.7 mM Glucose

Fig. 20

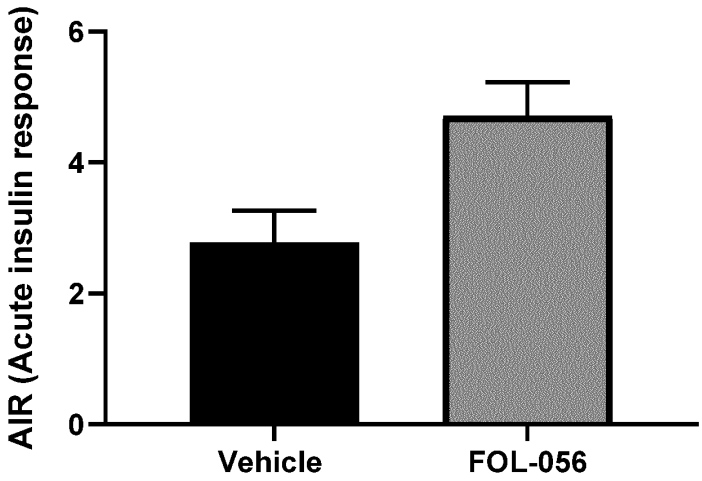


Fig. 21

