

Figure 1

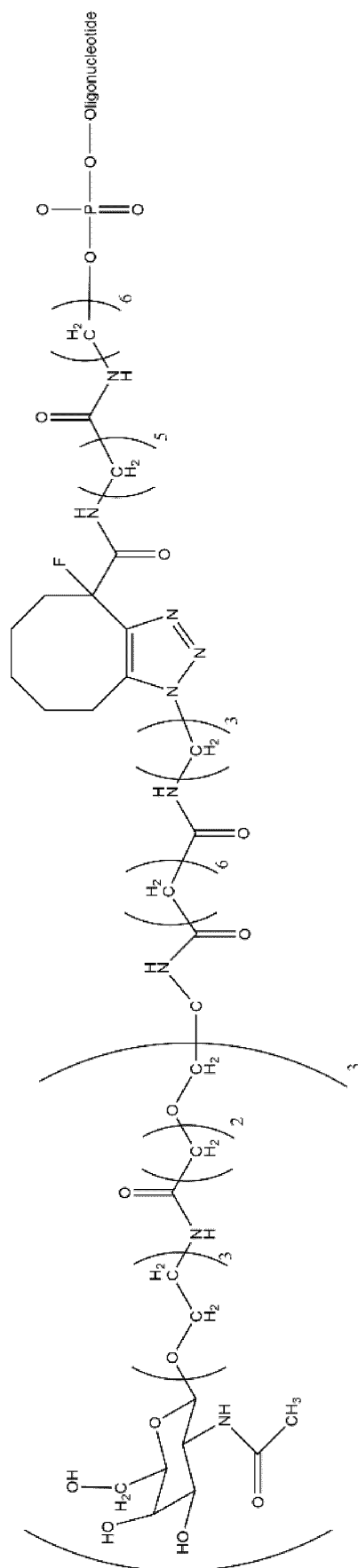


Figure 2

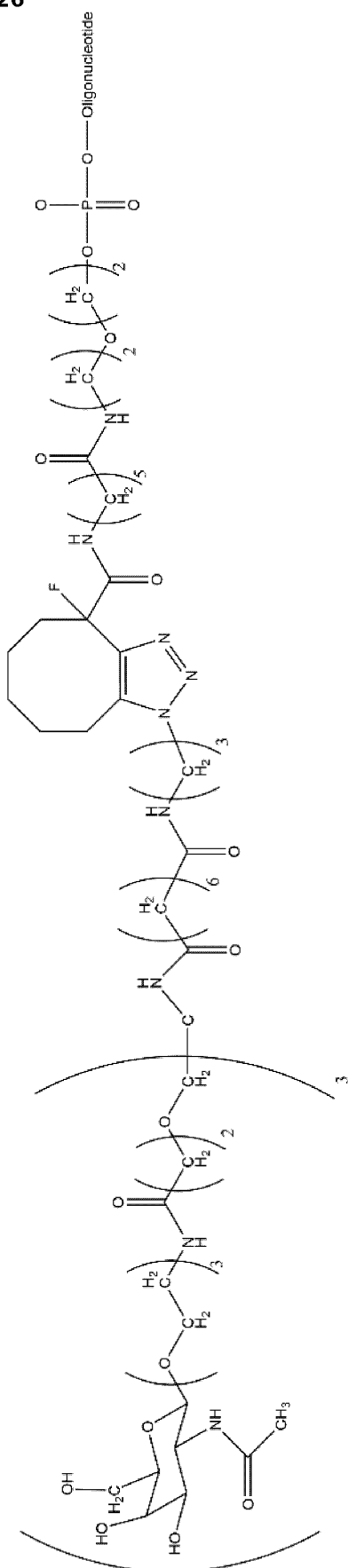


Figure 3

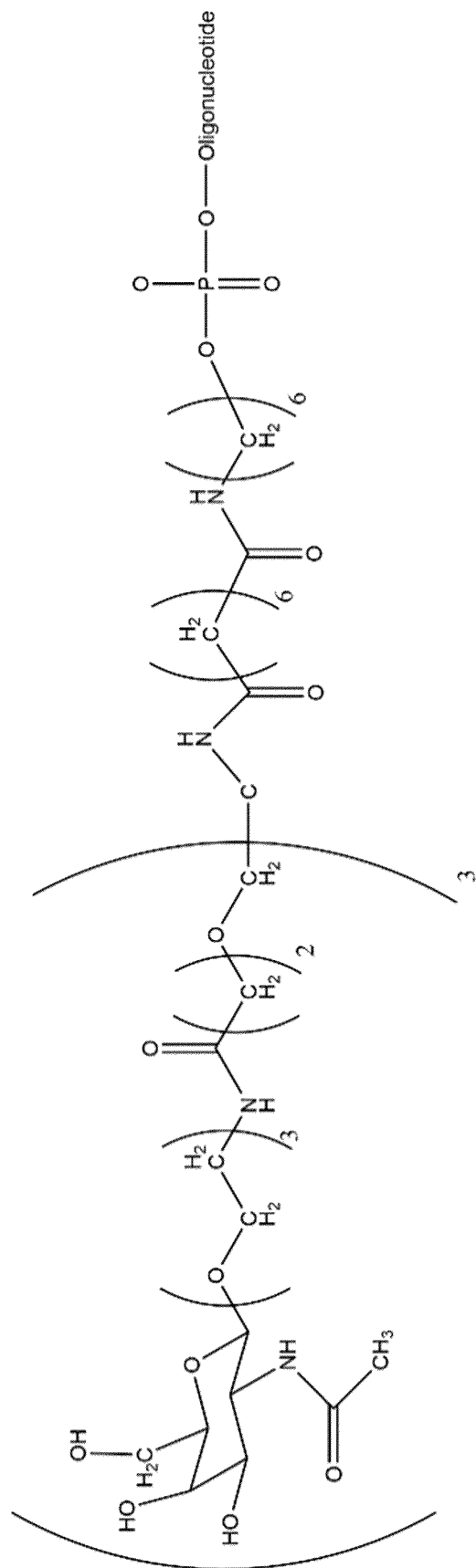


Figure 4

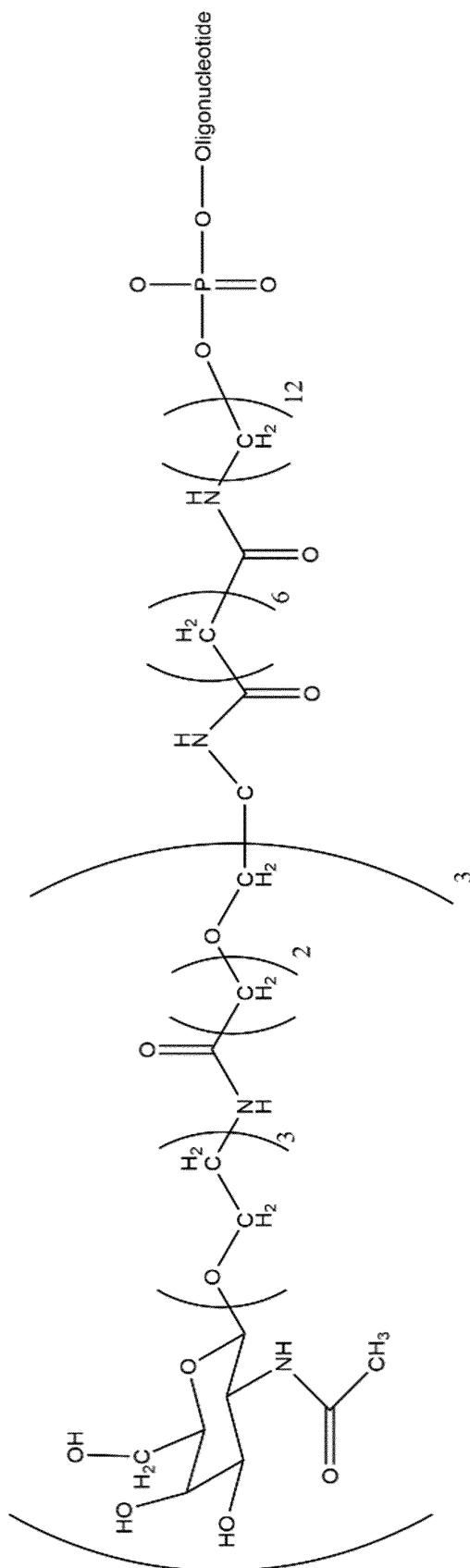
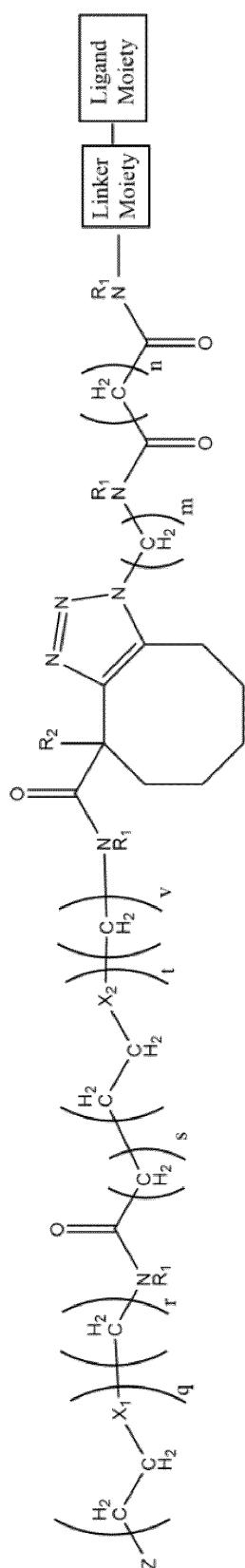
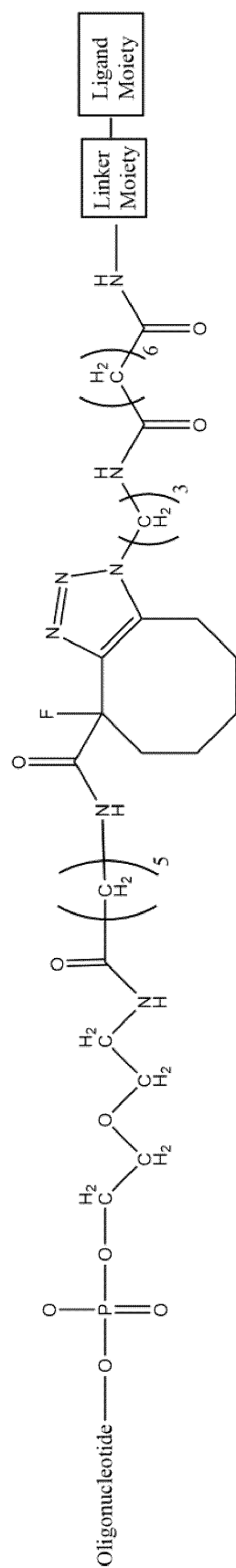


Figure 5 (from Sentences 1 – 101)



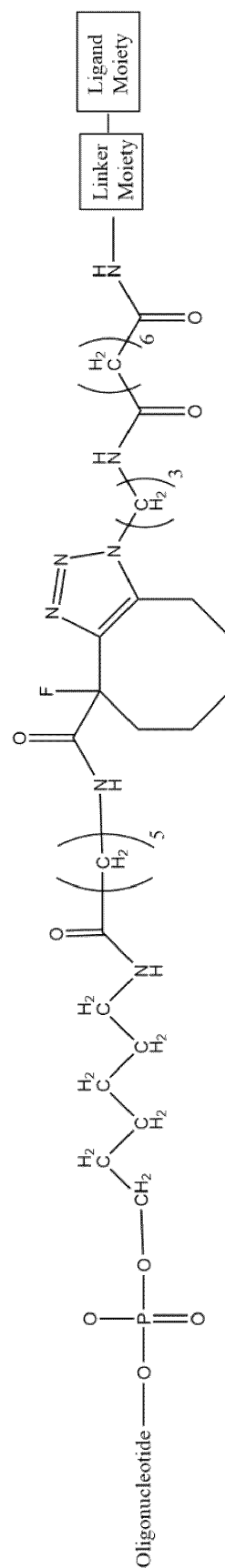
Formula (I)



Formula (II)

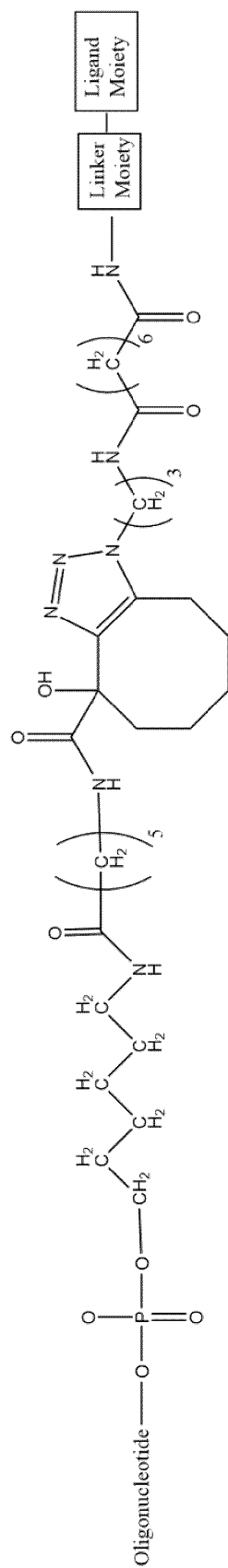
O=P([O-])([O-])OCC1OC(CO1)CNC(=O)C2CCC(C2)CNC(=O)C3CCCCC3C(=O)Nc4cnc5c4C(=O)O[C@H]5C6CCCCCCC6

Formula (III)

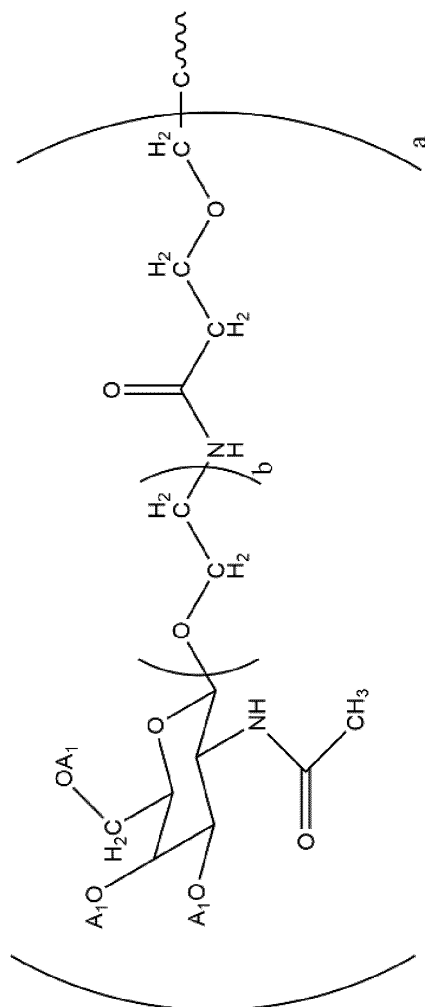


Formula (IV)

Figure 5 cont.



Formula (V)

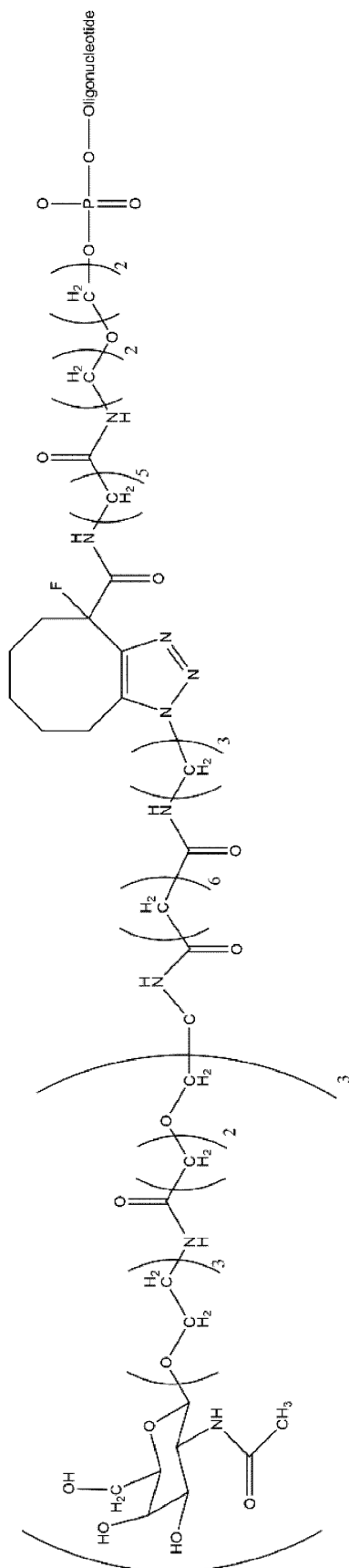


Formula (VIa)

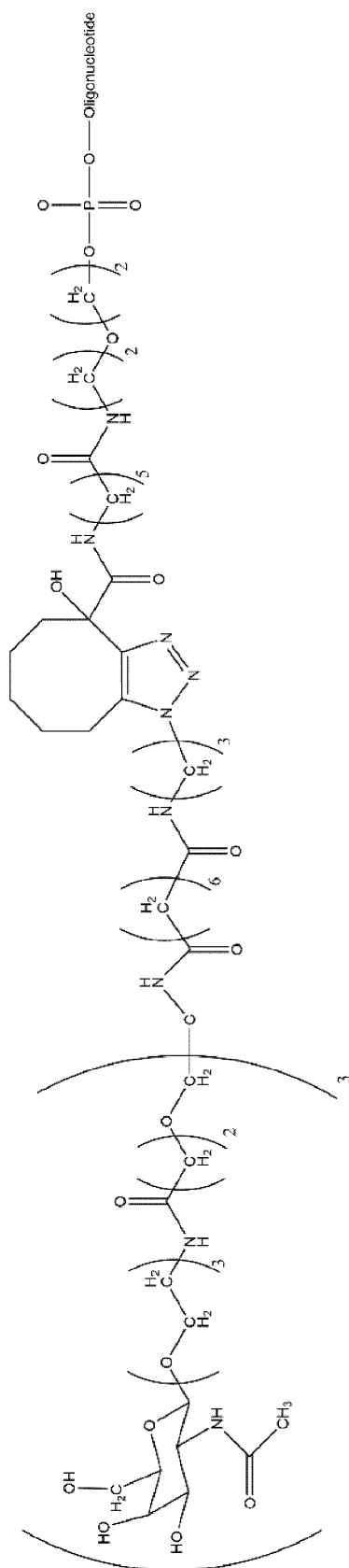
The diagram shows the chemical structure of a polymer chain segment enclosed in large parentheses. The backbone consists of alternating carbon atoms. One carbon atom is bonded to two methoxy groups labeled A_1O . The adjacent carbon atom is part of an acetoxy group, shown as $H_2C-O-C(=O)-CH_3$, where the carbonyl oxygen is double-bonded. This is followed by a sequence of ethylene glycol units: $-O-CH_2-CH_2-O-$. After three such units, there is an amide linkage: $-O-CH_2-CH_2-NH-C(=O)-CH_2-CH_2-O-$. The chain continues with another ethylene glycol unit ($-O-CH_2-CH_2-$) before ending at a wavy line, which indicates the polymer continues. The entire structure is labeled with a subscript 'n' at the bottom right.

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Figure 5 cont.

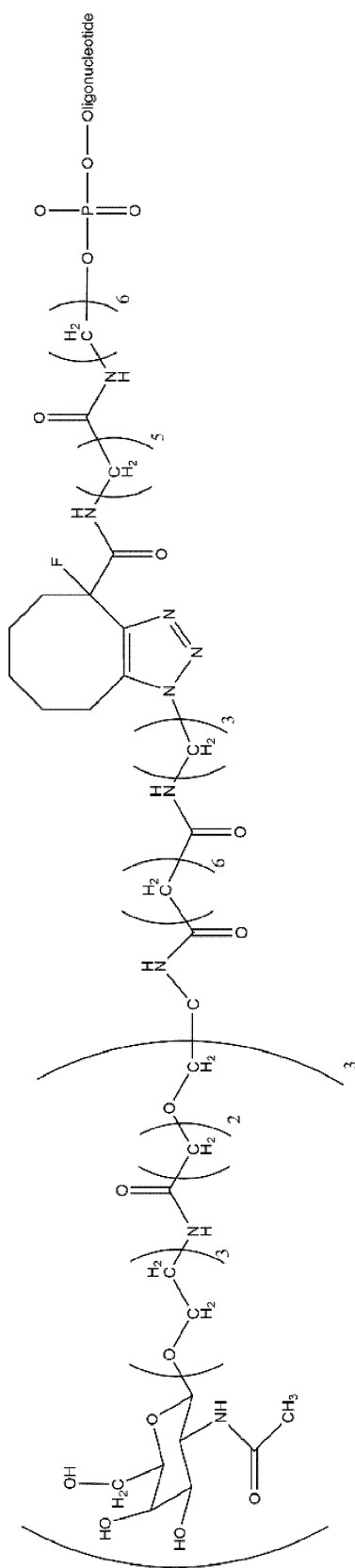


Formula (VIII)

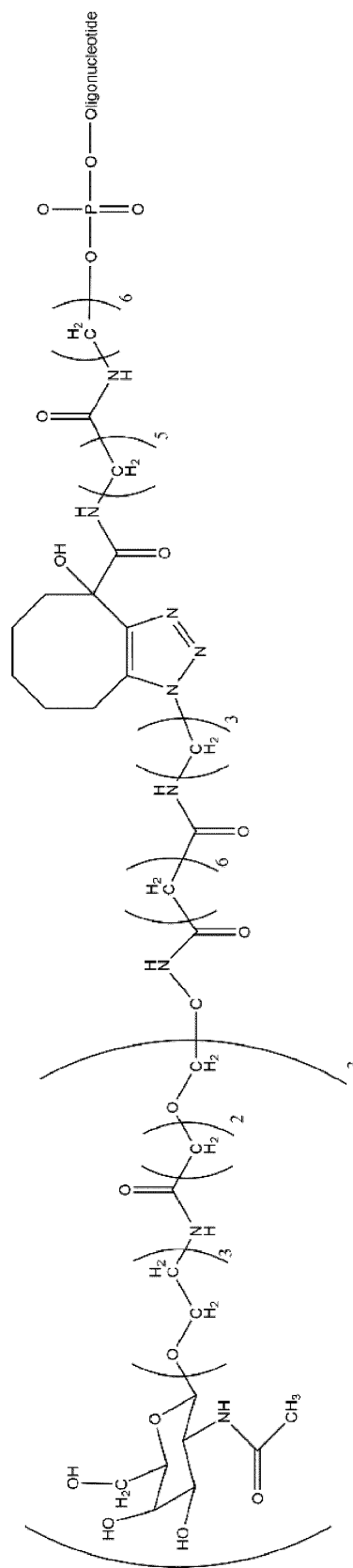


Formula (IX)

Figure 5 cont.

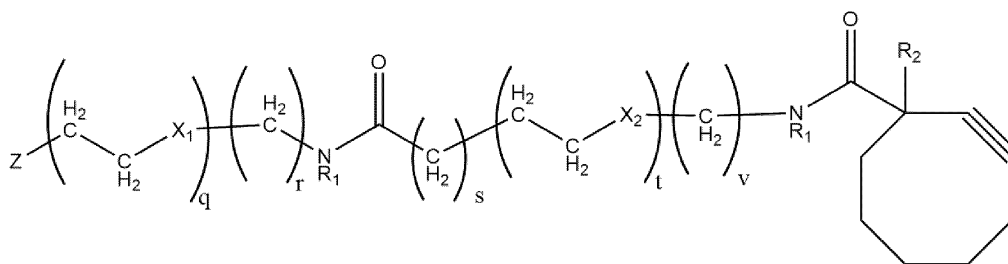


Formula (X)

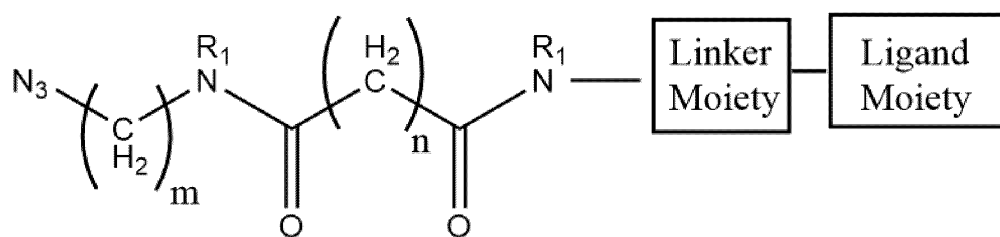


Formula (XI)

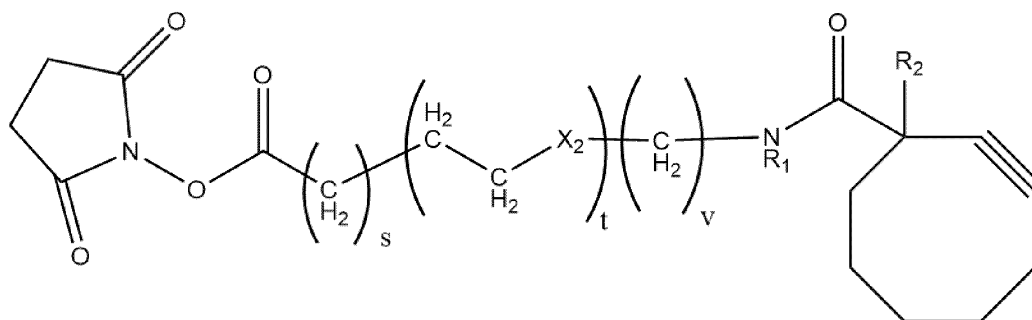
Figure 5 cont.



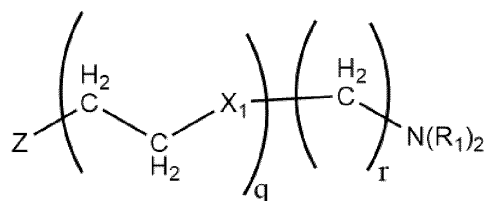
Formula (XII)



Formula (XIII)

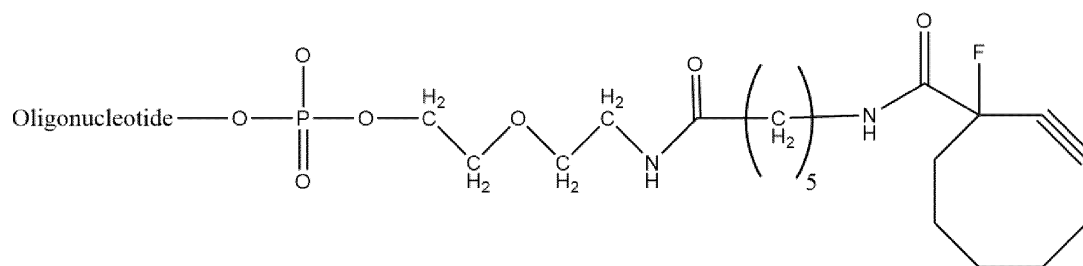


Formula (XIV)

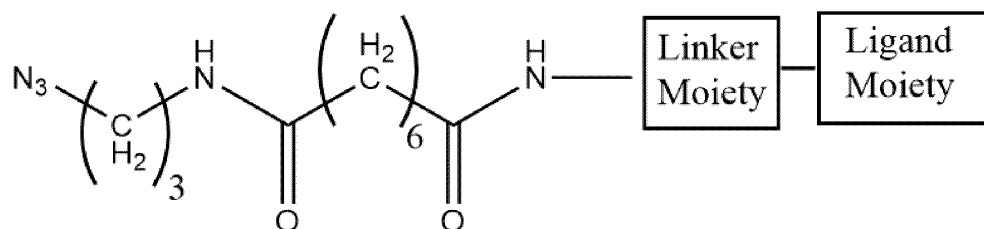


Formula (XV)

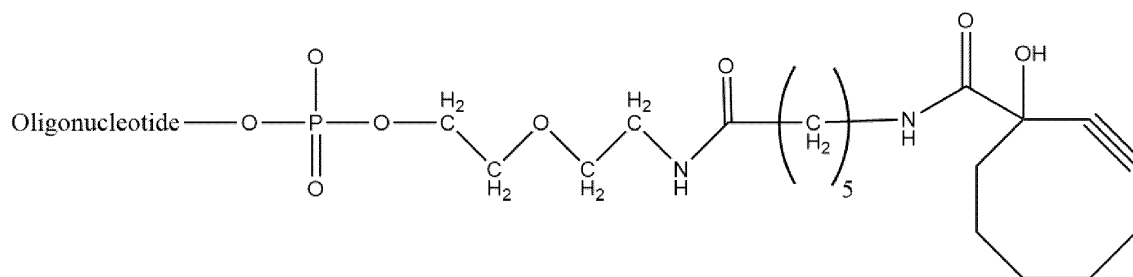
Figure 5 cont.



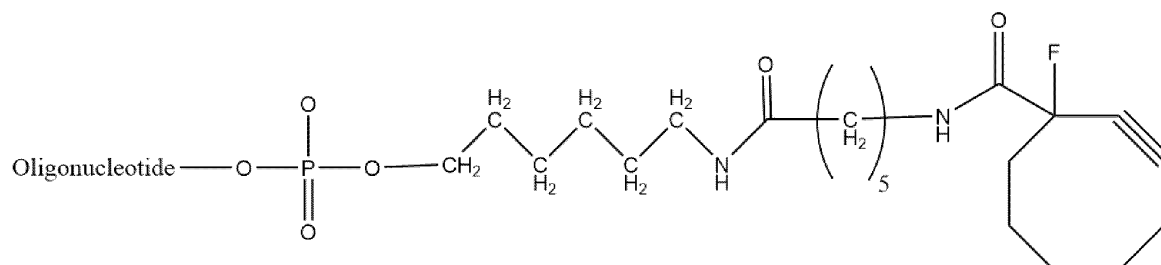
Formula (XIIa)



Formula (XIIIa)

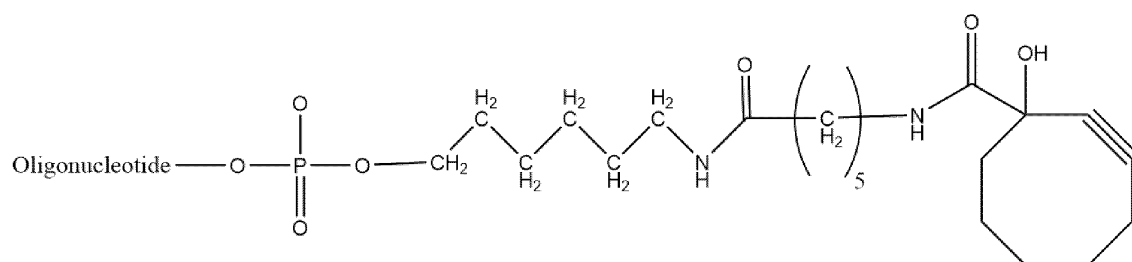


Formula (XIIb)

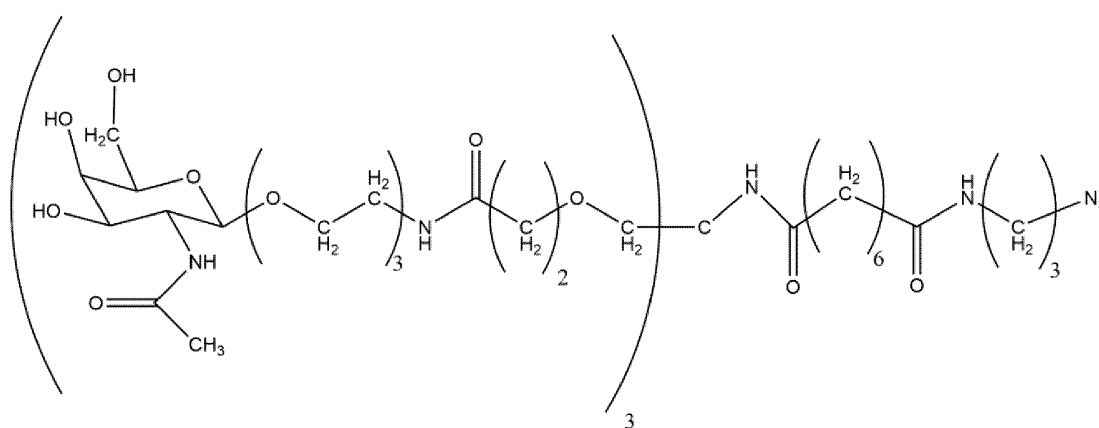


Formula (XIIf)

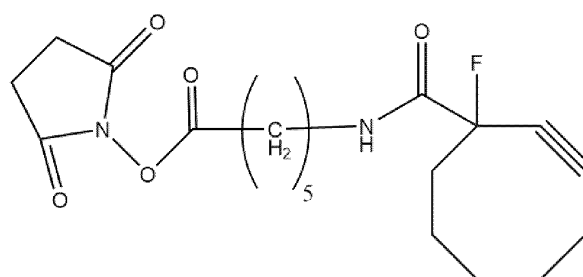
Figure 5 cont.



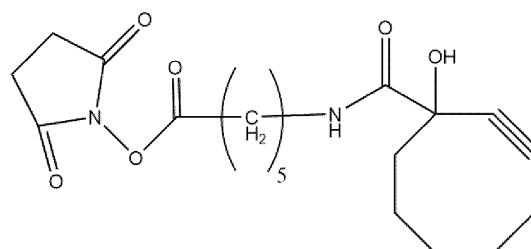
Formula (XIId)



Formula (XIIIb)

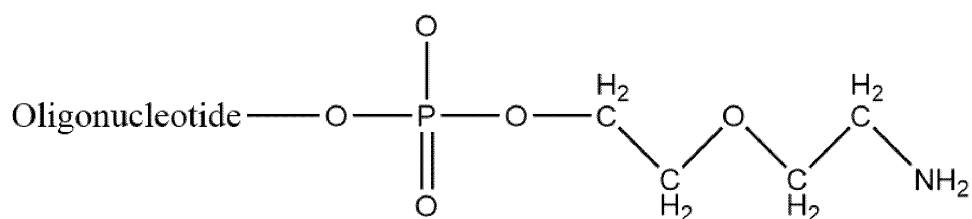


Formula (XIVa)

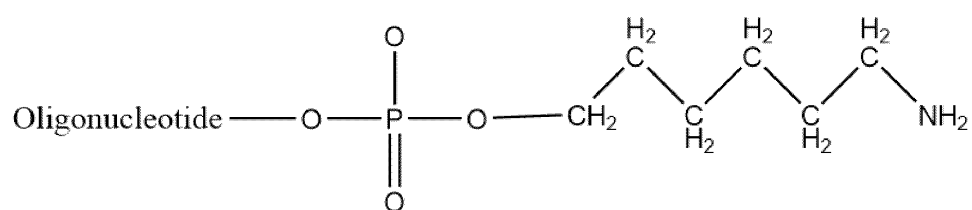


Formula (XIVb)

Figure 5 cont.

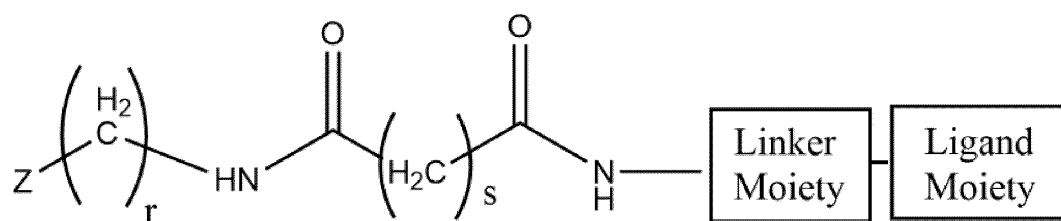


Formula (XVa)

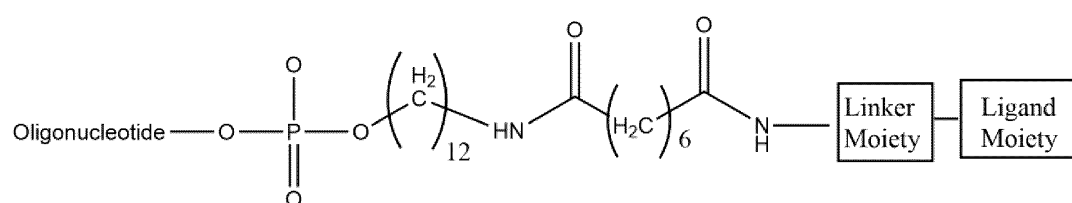


Formula (XVb)

Figure 6 (Formulae from Clauses 1- 56)

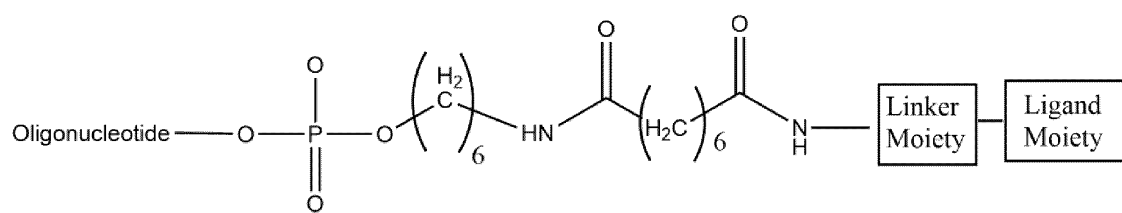


Formula (I)

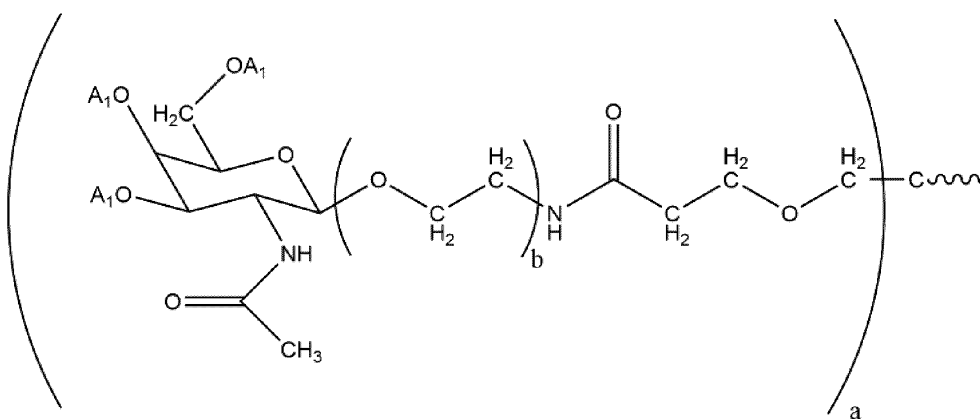


Formula (II)

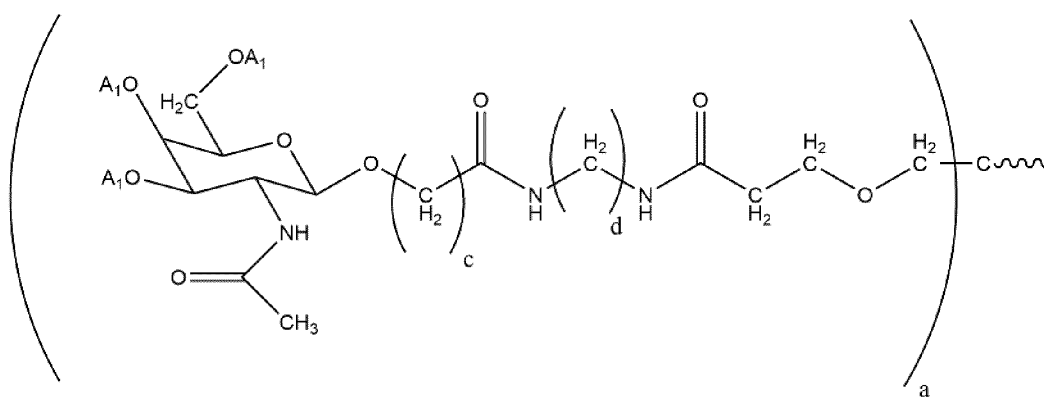
Figure 6 cont.



Formula (III)

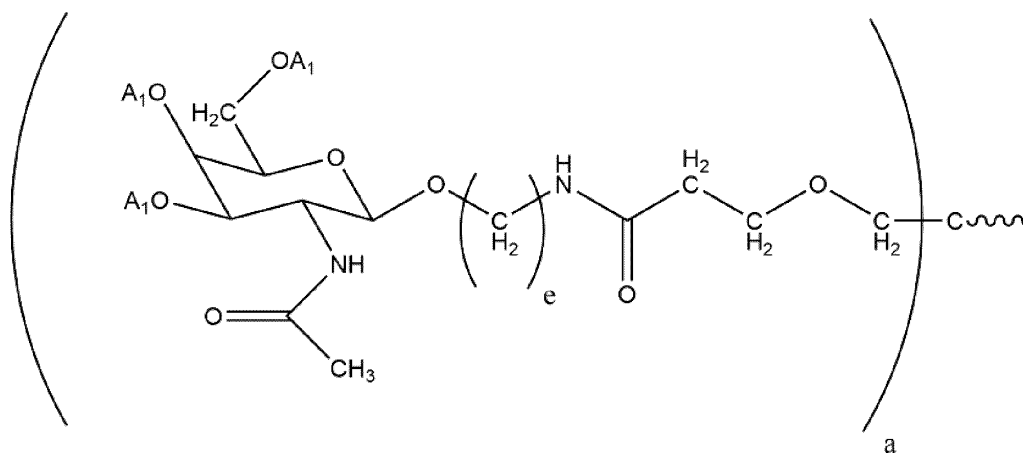


Formula (IV)

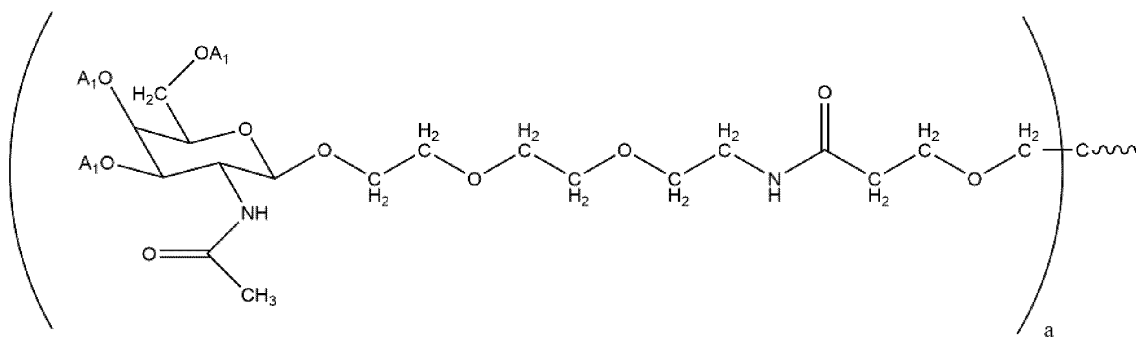


Formula (V)

Figure 6 cont.

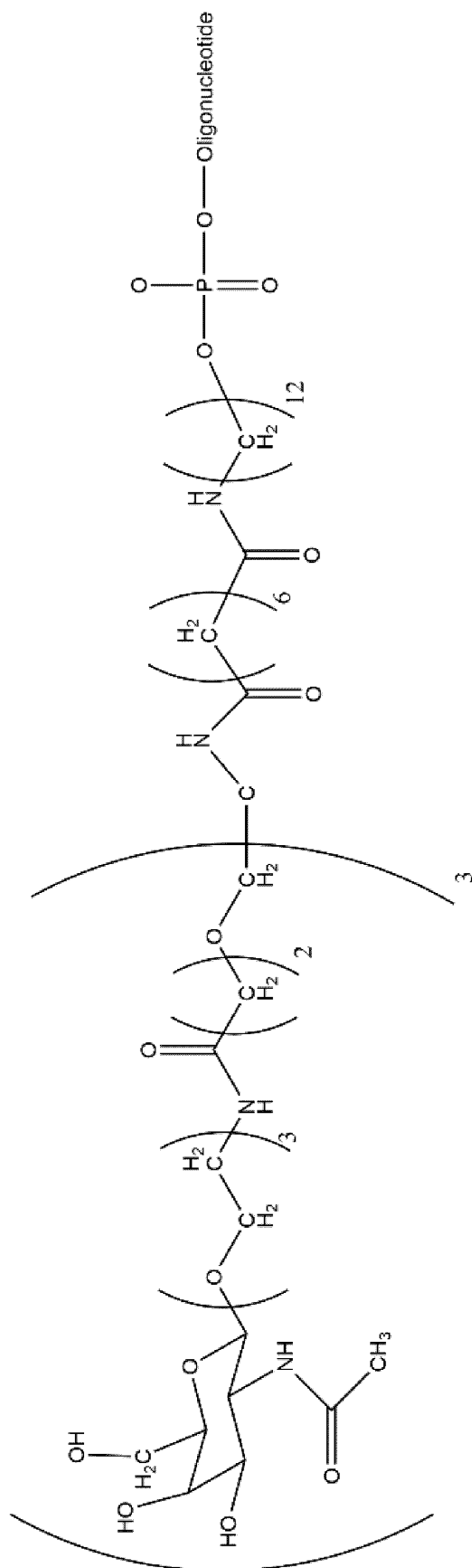


Formula (VI)



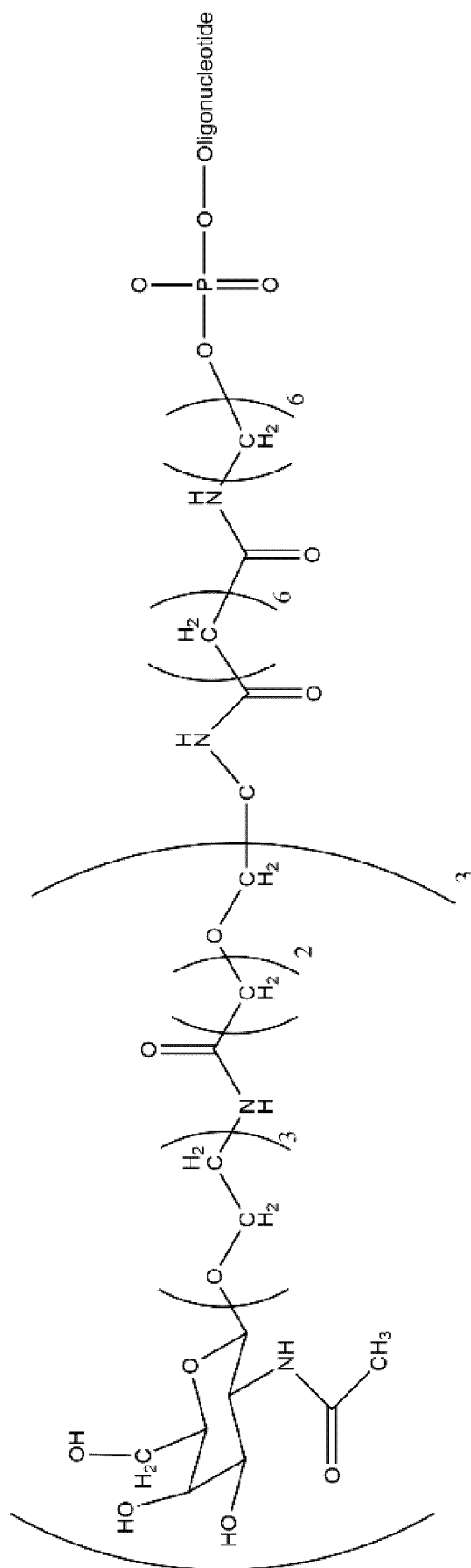
Formula (VII)

Figure 6 cont.



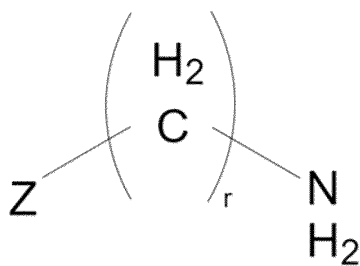
Formula (VIII)

Figure 6 cont.

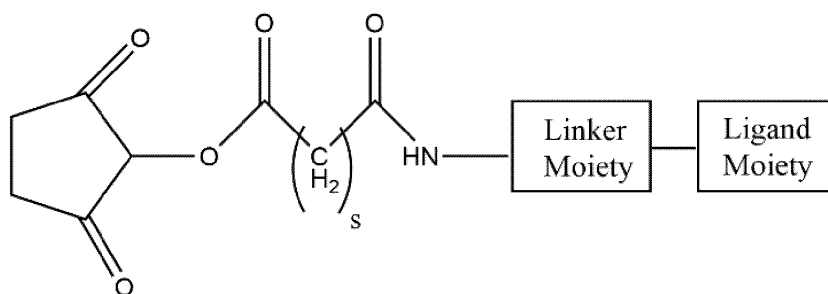


Formula (IX)

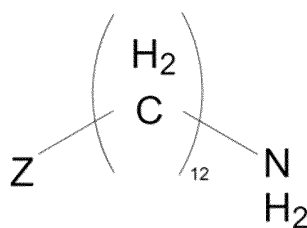
Figure 6 cont.



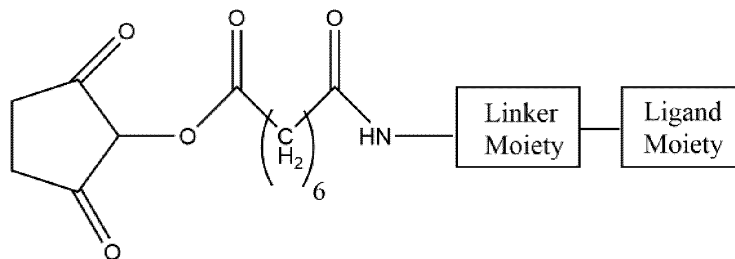
Formula (X)



Formula (XI)

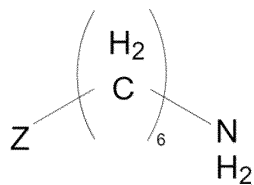


Formula (Xa)

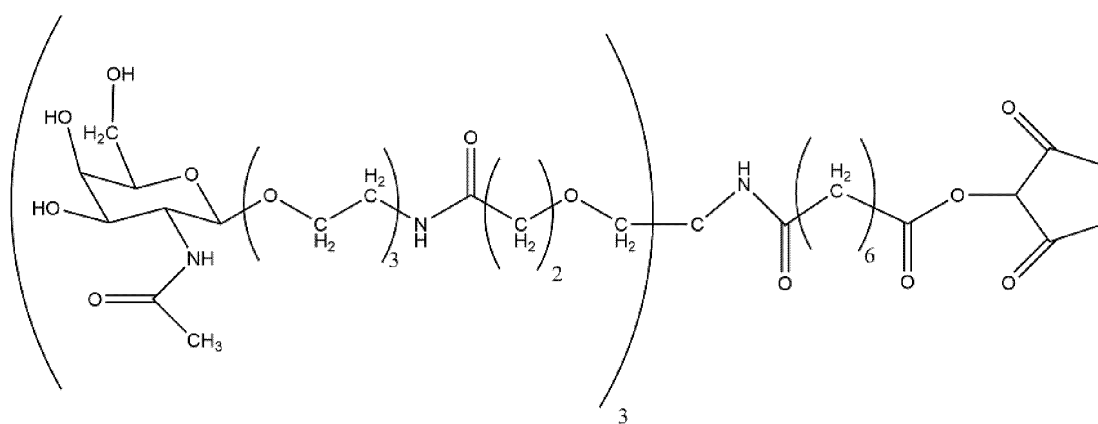


Formula (XIa)

Figure 6 cont.



Formula (Xb)



Formula (XIb)

Figure 7a:



Figure 7b:

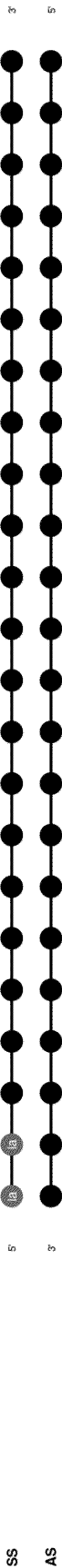


Figure 8a:



Figure 8b:



Figure 9

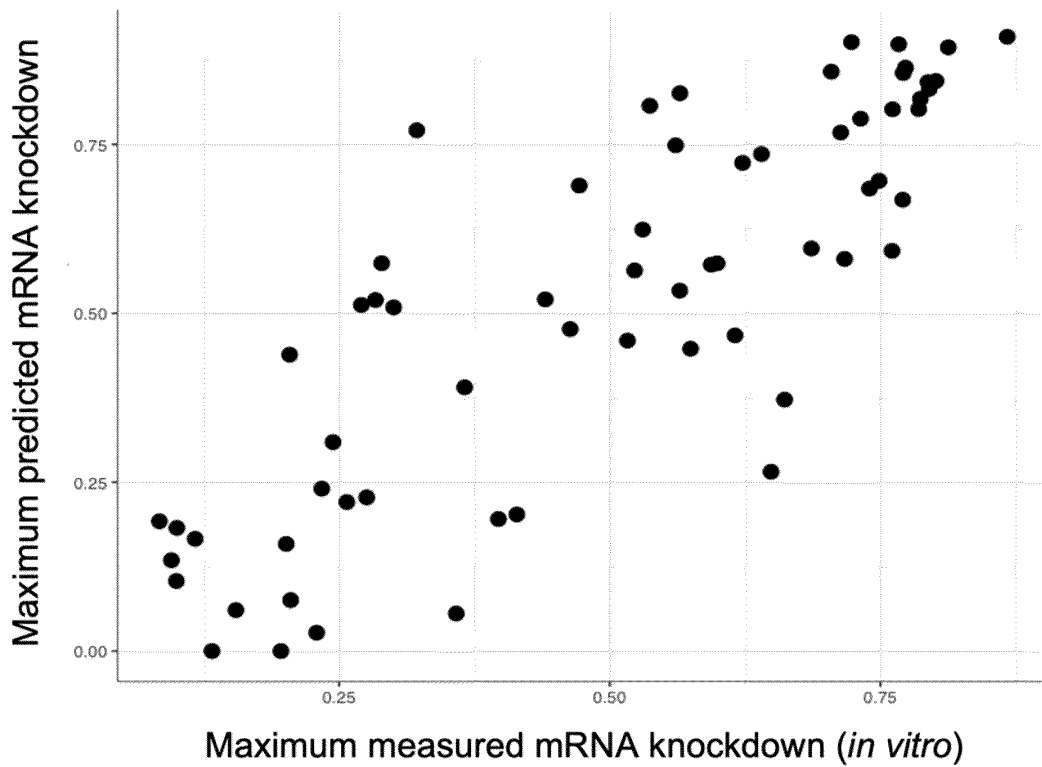


Figure 10

Best Model Performance					
Dataset	Spearman_correlation	RMSE	PrecisionAt10	PrecisionAt20	nSiRNAsForBest
Test set	0.847	0.155	0.7	0.75	1
Validation set (independent gene)	0.712	0.288	0.6	0.60	11

Figure 11

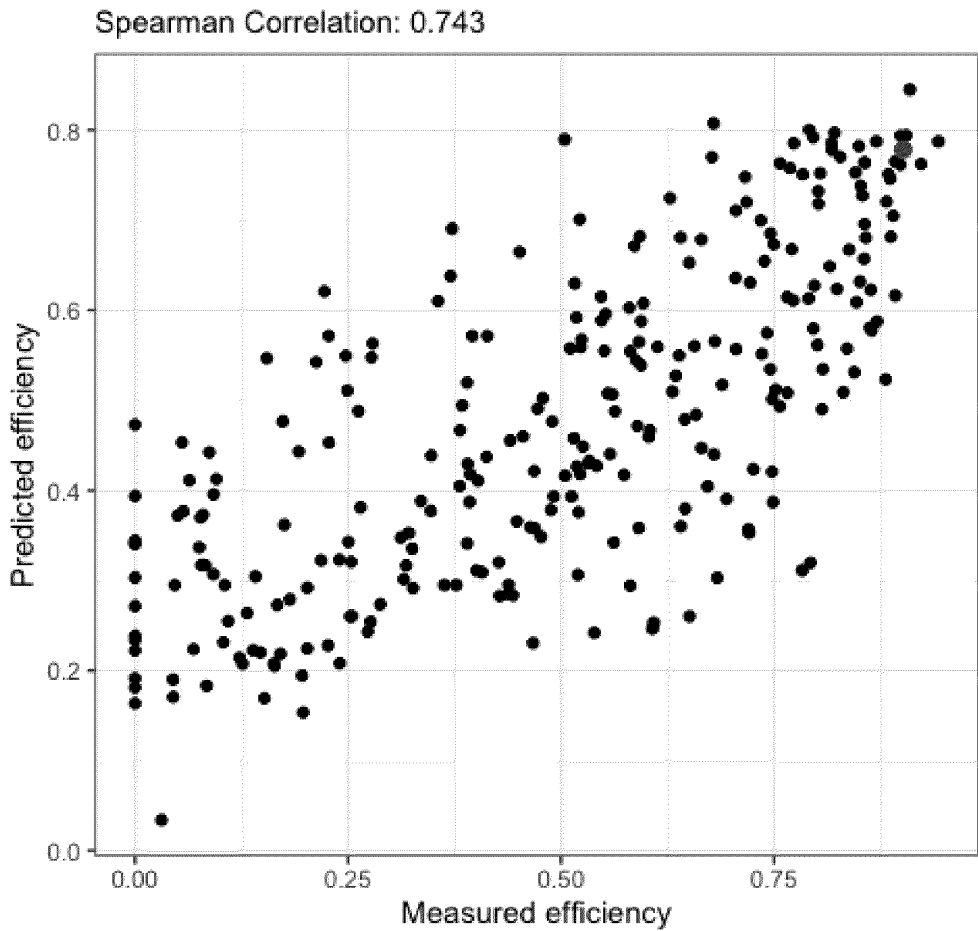


Figure 12

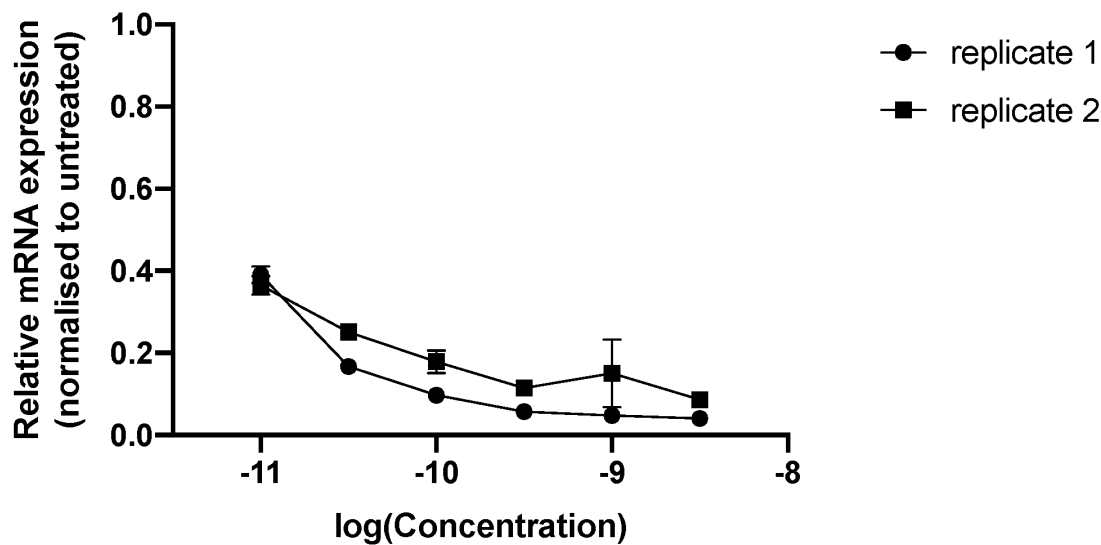


Figure 13

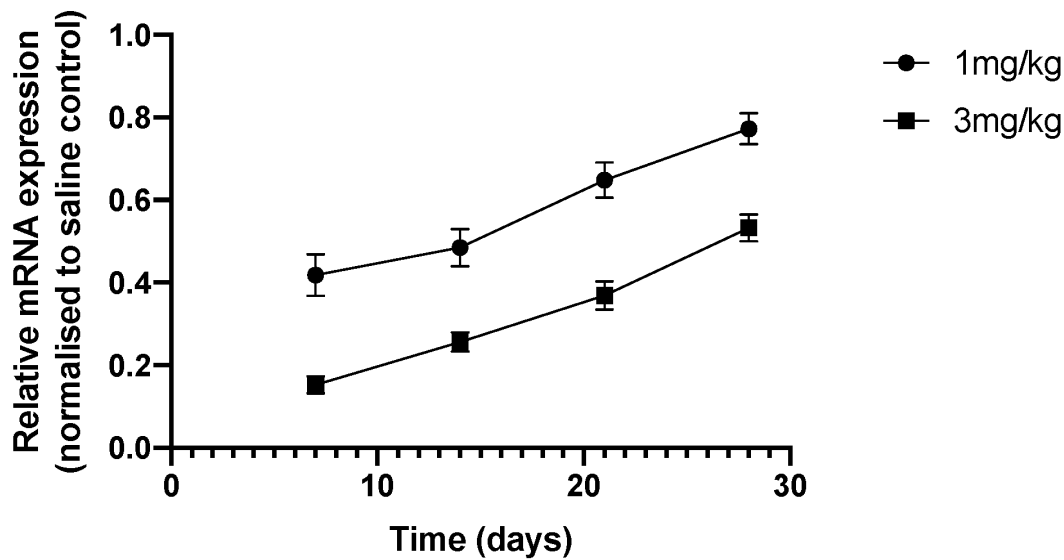


Figure 14

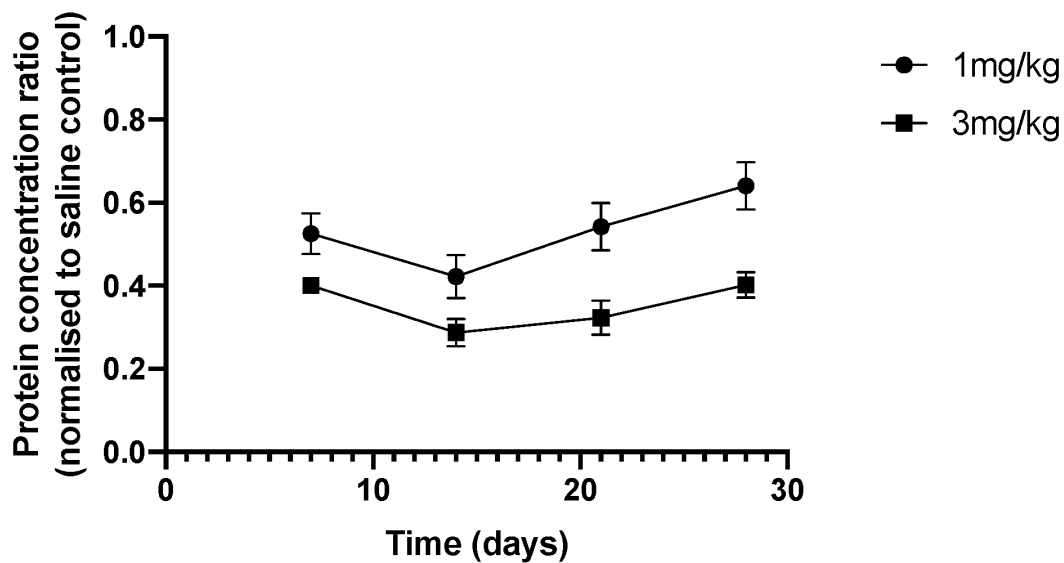


Figure 15

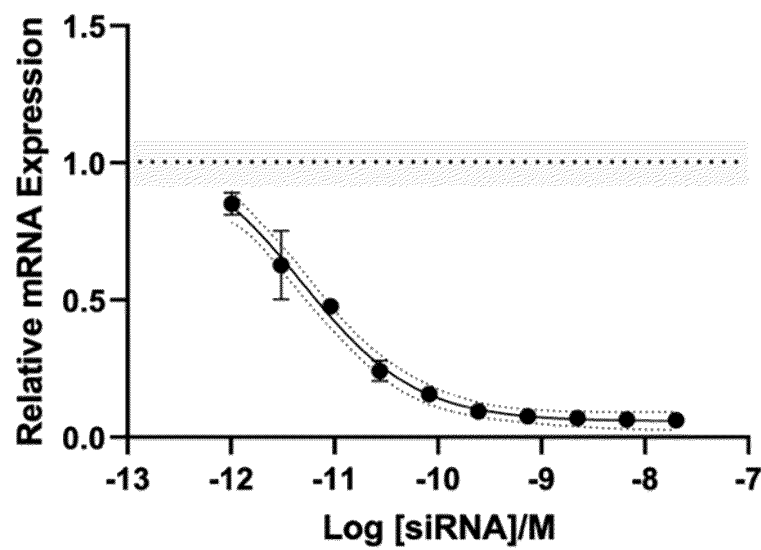


Figure 16

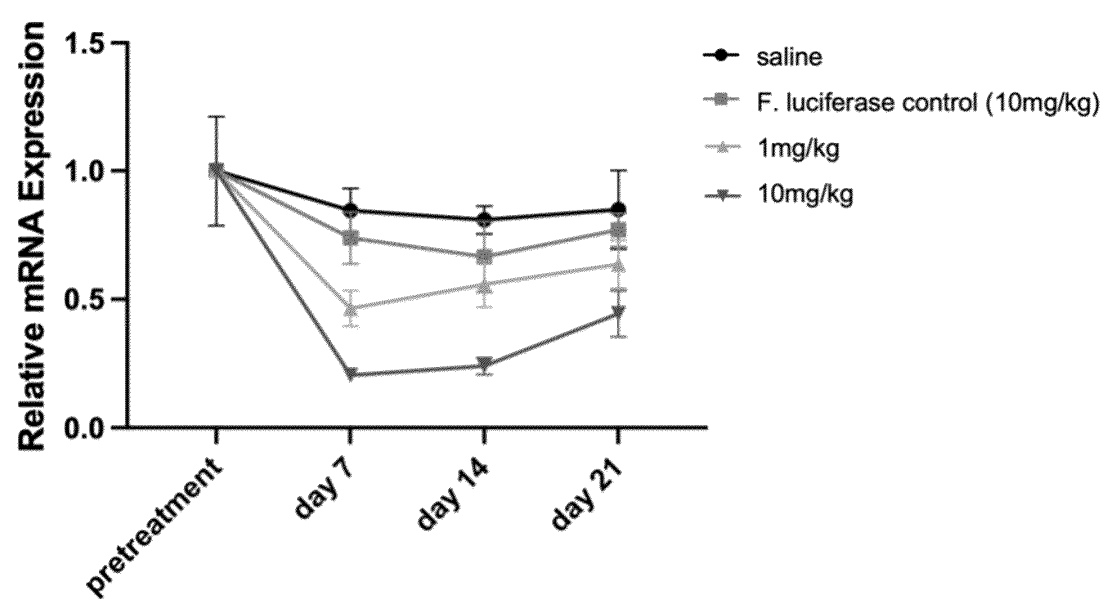


Figure 17

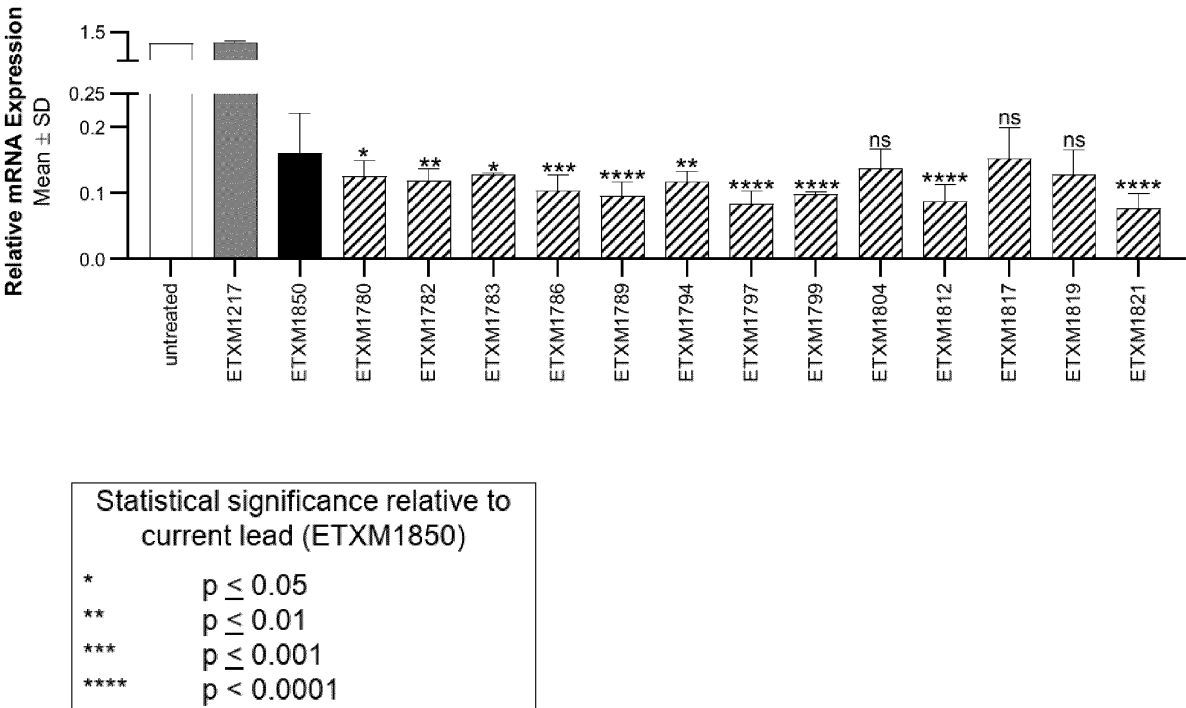


Figure 18

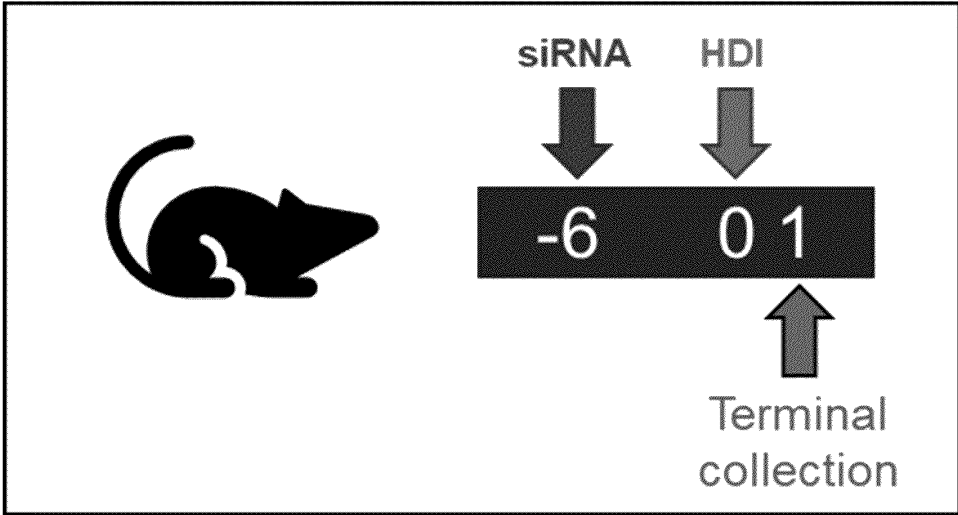


Figure 19

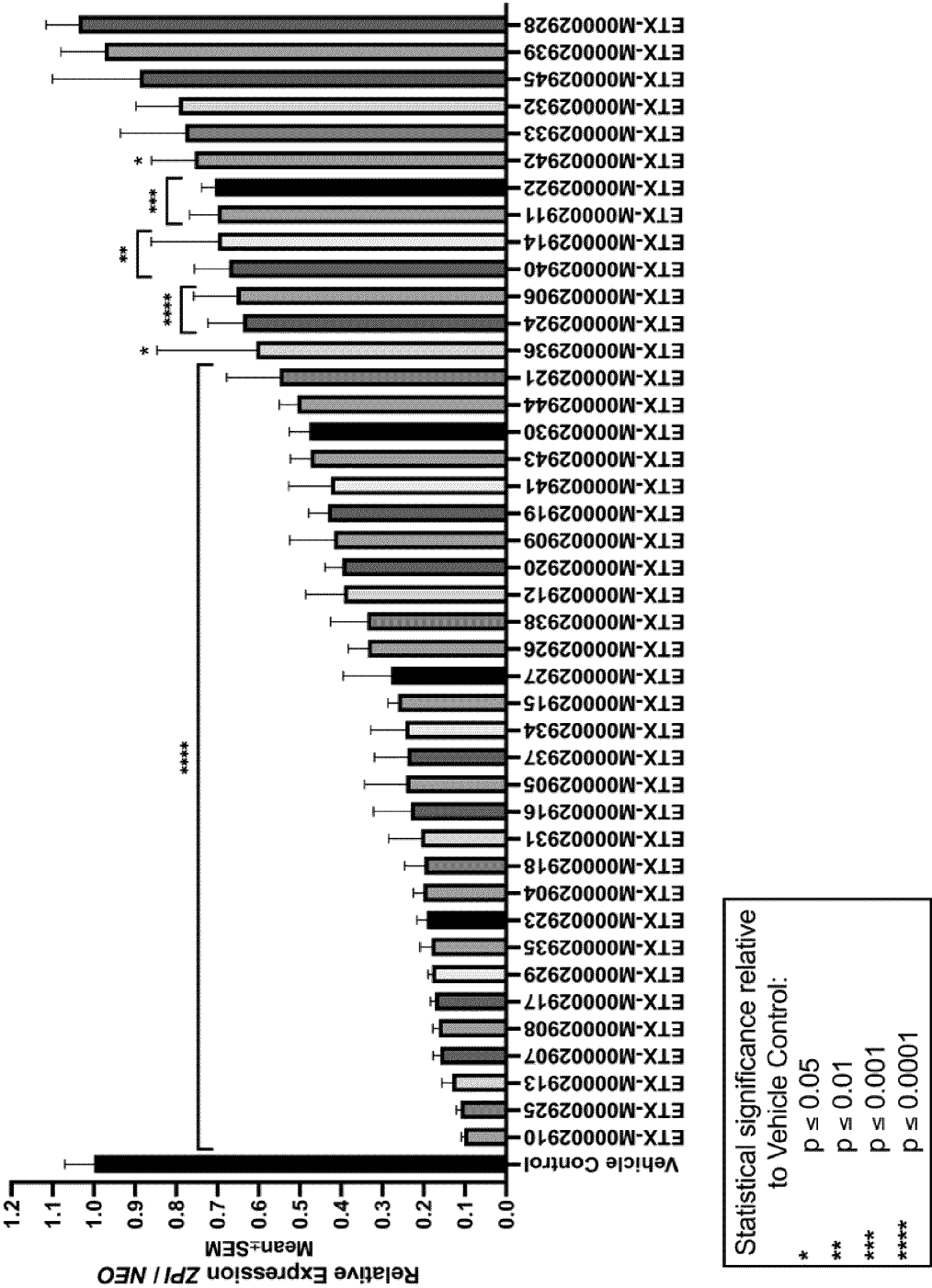
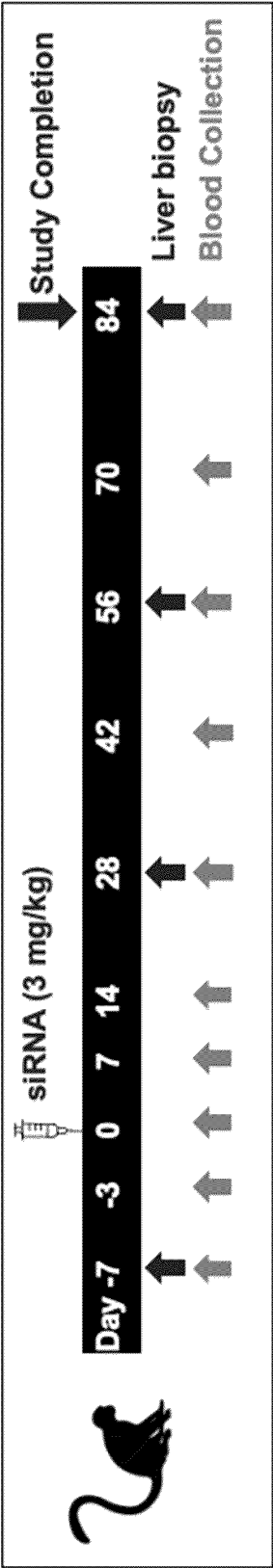


Figure 20



n = 12 animals, non-GLP study, non-naïve animals

Figure 21

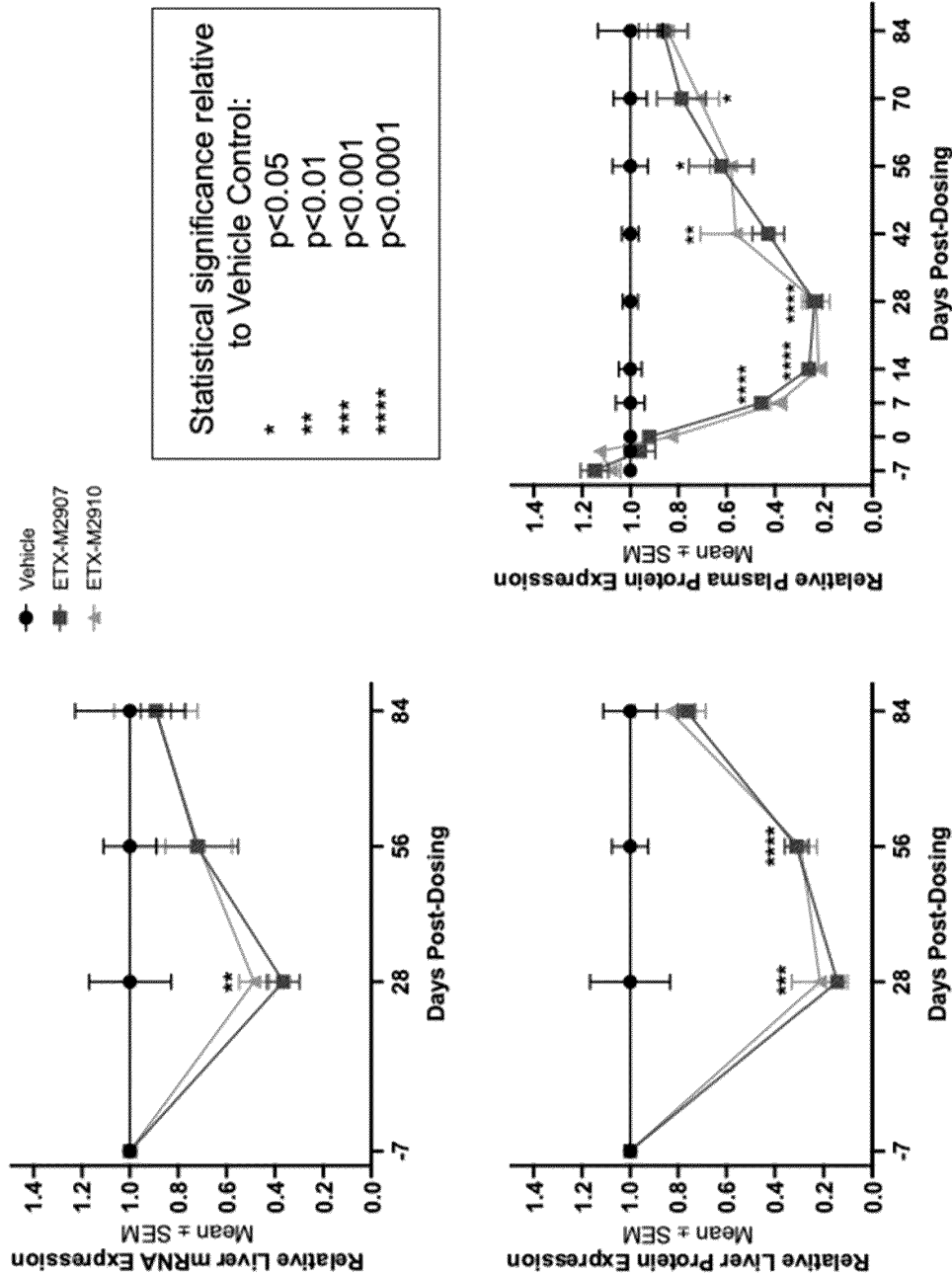


Figure 22

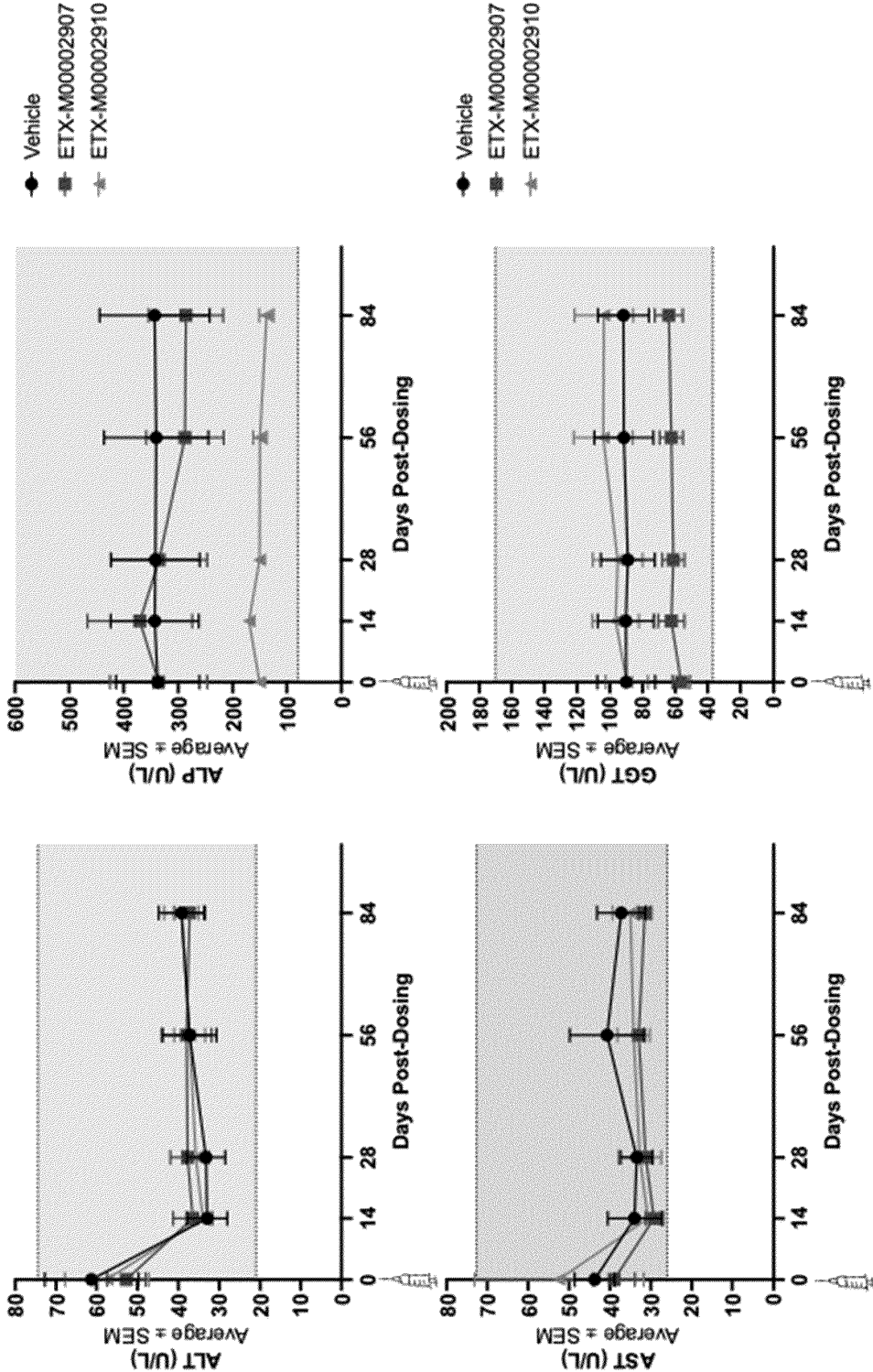


Figure 23

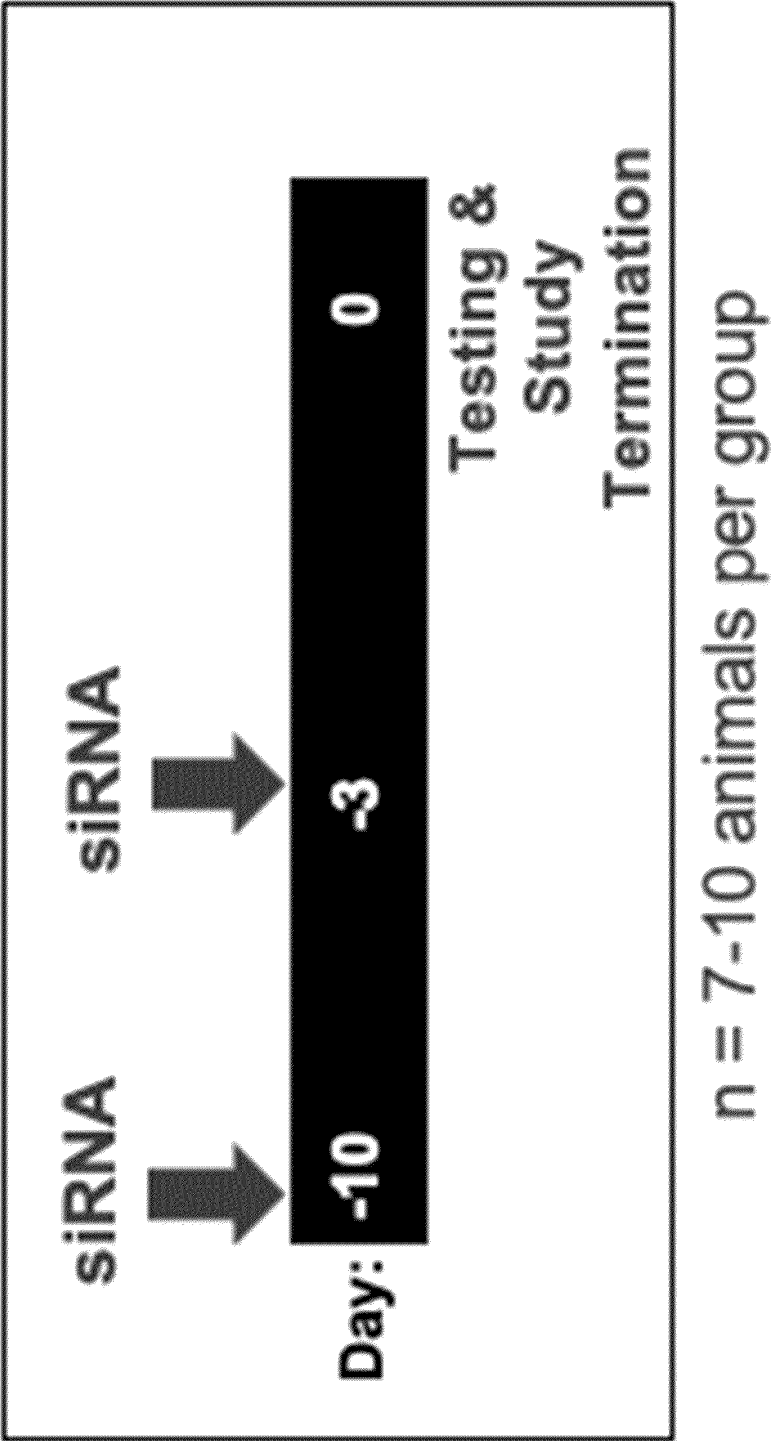


Figure 24

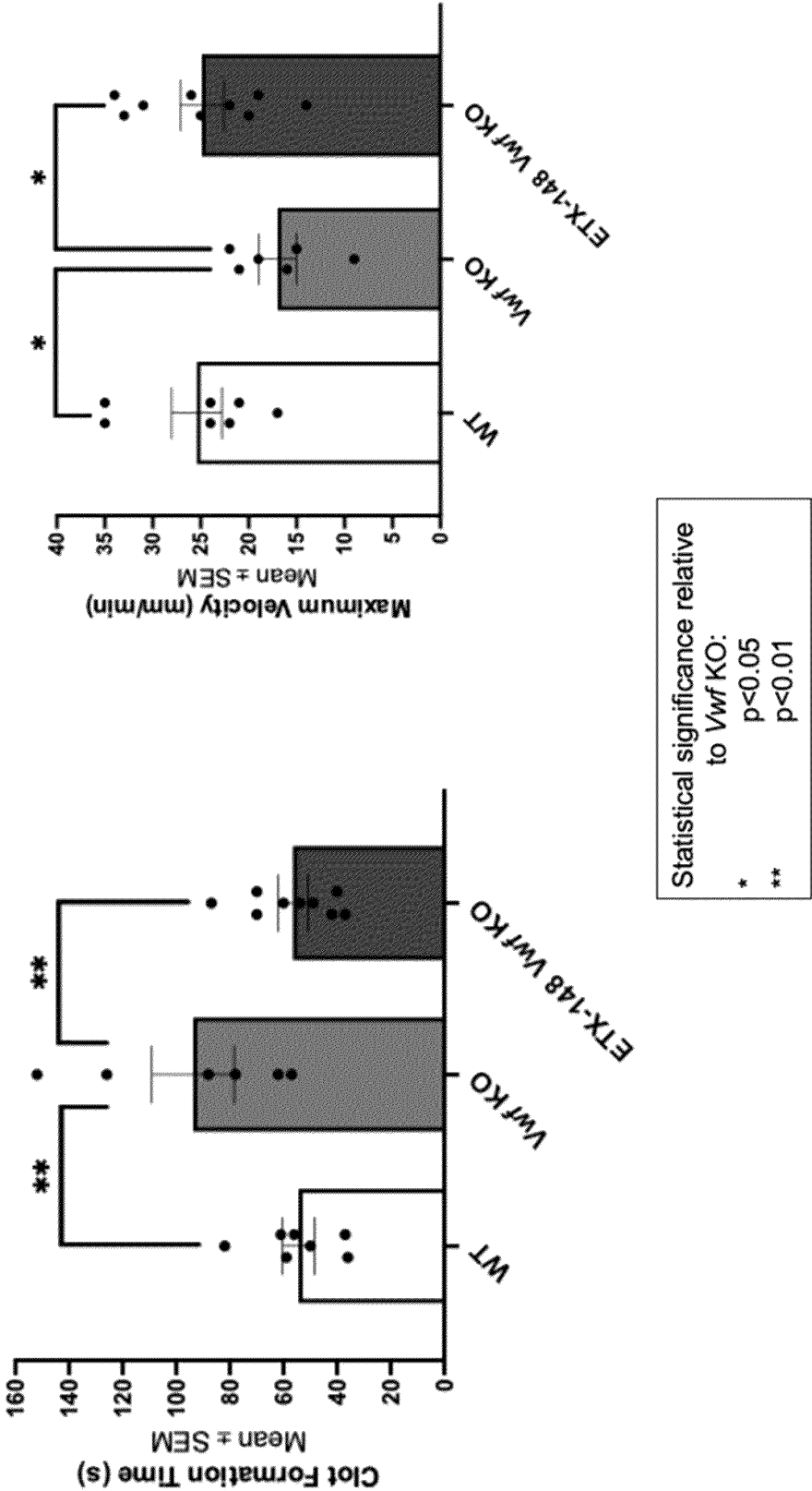


Figure 25

