

Table 1 – DNA, mRNA, Amino Acid Sequences

GENE 1															
DNA Sequence															
mRNA Sequence															
Amino Acid Sequence															
GENE 2															
DNA Sequence															
mRNA Sequence															
Amino Acid Sequence															
GENE 3															
DNA Sequence															
mRNA Sequence															
Amino Acid Sequence															
GENE 4															
DNA Sequence															
mRNA Sequence															
Amino Acid Sequence															
GENE 5															
DNA Sequence															
mRNA Sequence															
Amino Acid Sequence															

Data Table 2 – Substitute Mutation Sequence

GENE 1															
Original DNA Sequence	T	A	C	G	G	C	A	A	T	C	T	G	T	T	T
NEW DNA Sequence	T	A	C	G	G	C	A	A	T	C	T	G	T	T	
NEW mRNA Sequence															
NEW Amino Acid Sequence															

Data Table 3 – Deletion & Frameshift Mutation Sequence

GENE 2															
Original DNA Sequence	G	G	G	C	C	C	T	A	T	T	A	A	G	C	A
mRNA Sequence															
Amino Acid Sequence															
NEW DNA Sequence	G	G	G	C	C	C	T	A	T	A	A	G	C	A	
NEW mRNA Sequence															
NEW Amino Acid Sequence															