

.	#	↘	A	↘	C	↘	T	↘	G	↘	G	↘	G
#	0	0	-1	-2	-2	-3	-4						
↖	A	0	0	-1	-1	-2	-3	-3					
↖	T	-1	-1	-1	0	-1	-2	-2					
↖	A	-2	0	-1	-1	-1	-2	-2					
↖	G	-2	-1	-1	-1	-1	-1	-1					

#	A	T	A	G
#	A	T	G	G