

# Generize SaaS - Sequence Analysis Report

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## 1. Sequence Information

Parameter	Value
Sequence Length	18246 bp
GC Content	38.17%
Melting Temperature	77.52 °C
Coding Ratio	88.77%
Number of ORFs	107

## 2. ORF Information

Frame	Start	End	Length (bp)	Protein Length
3	11412	18146	6735	2244
3	2406	4535	2130	709
3	8943	10751	1809	602
3	6654	8294	1641	546
2	113	1711	1599	532
2	5108	6166	1059	352
1	2428	2928	501	166
3	1596	1814	219	72
2	7574	7735	162	53
3	5745	5894	150	49

... and 97 more ORFs

## 3. Amino Acid Composition

Amino Acid	Count	Percentage
A	134	0.02%
C	171	0.03%
D	154	0.03%
E	201	0.04%
F	226	0.04%
G	213	0.04%
H	187	0.03%
I	463	0.08%

K	359	0.06%
L	720	0.13%
M	180	0.03%
N	266	0.05%
P	195	0.03%
Q	322	0.06%
R	382	0.07%
S	504	0.09%
T	364	0.07%
V	245	0.04%
W	98	0.02%
Y	215	0.04%

## 5. Sequence Preview

First 500 bases:

ACCAAACAAGGGAGAATATGGATACGTTAAAATATATAACGTATTTTTAAAACCTTAGGAACCAAGACAAACACTTTTGGTC  
TTGGTATTGGATCCTCAAGAAATATATCATCATGAGTGATATCTTTGAAGAGGCGGCTAGTTTTAGGAGTTATCAATCTAA  
GTTAGGGAGAGATGGGAGGGCTAGTGCAGCAACTGCTACTTTGACAACCAAGATAAGGATATTTGTACCAGCTACTAATAG  
TCCAGAGCTCAGATGGGAACCTAACATTGTTTGCACCTTGATGTGATTAGATCTCCGAGTGCTGCCGAGTCAATGAAAGTTGG  
AGCTGCTTTCACACTCATCTCTATGTATTCAGAGAGACCCGGGGCTCTCATTAGAAGTCTCCTCAATGACCCAGACATTGA  
AGCTGTAATAATAGATGTTGGATCAATGGTCAACGGAATACCAGTAATGGAGAGGAGAGAGACAAGGCTCAGGAGGAGAT  
GGAAGGCTTGATGA...

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