

Table 6. Amino acid composition

Amino acid	BLOSUM-62 Background frequencies, %	<i>Plasmodium falciparum</i> NCBI gi 16805184, %	<i>Mycobacterium tuberculosis</i> NCBI gi 15607948, %
A	7.4	4.8	13.9
R	5.2	4.1	7.4
N	4.5	8.9	2.8
D	5.3	5.6	5.9
C	2.5	2.1	1.9
Q	3.4	3.0	3.6
E	5.4	7.0	6.1
G	7.4	6.2	9.5
H	2.6	3.1	1.7
I	6.8	9.0	4.4
L	9.9	8.2	9.3
K	5.8	8.2	1.9
M	2.5	1.3	1.5
F	4.7	5.1	2.5
P	3.9	3.8	5.3
S	5.7	7.4	4.4
T	5.1	2.3	5.7
W	1.3	1.0	0.8
Y	3.2	4.6	2.8
V	7.3	4.4	8.7

The background amino acid frequencies implicit in the BLOSUM-62 amino acid substitution matrix and the amino acid composition of *P. falciparum* putative asparagine synthase (NCBI gi 16805184) and *M. tuberculosis* PurF protein (NCBI gi 15607948). Due to rounding, percentages do not sum to 100.0.