

### Isolates covered by PepMix Plasmodium Falciparum (CSP) Ultra – PM-PLFA-CSP-1

Isolate	Source	Total number of 9mers*	Number of covered 9mers*	%covered	Source
PF3D7	Reference isolate 3D7	389	389	100	1
PfDd2	isolate DD2	420	420	100	1
PfKH01	Cambodia	416	416	100	1
CSP_PLAFA	Reference isolate 3D7	404	404	100	UniProt
CSP_PLAFO	isolate NF54	389	389	100	UniProt
CSP_PLAF7	isolate 3D7	389	389	100	UniProt
CSP_PLAFW	isolate Wellcome	434	434	100	UniProt
CSP_PLAFT	isolate t4 / Thailand	416	416	100	UniProt
CSP_PLAFL	isolate Ie5	307	307	100	UniProt
Pf7G8	isolate 7G8	405	404	99,8	1
PfKE01	Kenya	408	405	99,3	1
PfKH02	Cambodia	416	412	99	1
PfIT	isolate IT	422	415	98,3	1
PfCD01	Congo	404	396	98	1
PfGA01	Gabon	377	369	97,9	1
PfGN01	Guinea	385	377	97,9	1
PfSN01	Senegal	377	369	97,9	1
PfTG01	Togo	386	378	97,9	1
PfGB4	isolate GB4	377	368	97,6	1
PfML01	Mali	382	372	97,4	1
PfSD01	Congo	400	389	97,2	1
PfHB3	isolate HB3	400	384	96	1

#### Sources:

**1:** Otto TD, Böhme U, Sanders M, Reid A, Bruske EI, Duffy CW, Bull PC, Pearson RD, Abdi A, Dimonte S, Stewart LB, Campino S, Kekre M, Hamilton WL, Claessens A, Volkman SK, Ndiaye D, Amambua-Ngwa A, Diakite M, Fairhurst RM, Conway DJ, Franck M, Newbold CI, Berriman M. Long read assemblies of geographically dispersed Plasmodium falciparum isolates reveal highly structured subtelomeres. Wellcome Open Res. 2018 May 3;3:52. doi: 10.12688/wellcomeopenres.14571.1. PMID: 29862326; PMCID: PMC5964635.

**UniProt:** <https://www.uniprot.org/>

\* The peptide pool consists of 15mers, but the coverage was determined by comparison of 9mers from the protein IDs given above.