Bigram-PGK: phosphoglycerylation prediction using the technique of bigram probabilities of position specific scoring matrix

Abel Chandra^{5,*}, Alok Sharma^{1,2,3,5,7,*}, Abdollah Dehzangi⁴, Daichi Shigemizu^{2,3,6,7}, and Tatsuhiko Tsunoda^{2,3,7}

 ¹ Institute for Integrated and Intelligent Systems, Griffith University, Brisbane, QLD-4111, Australia
 ² Department of Medical Science Mathematics, Medical Research Institute, Tokyo Medical and Dental University (TMDU), Tokyo, 113-8510, Japan

³ Laboratory for Medical Science Mathematics, RIKEN Center for Integrative Medical Sciences, Yokohama, 230-0045, Kanagawa, Japan

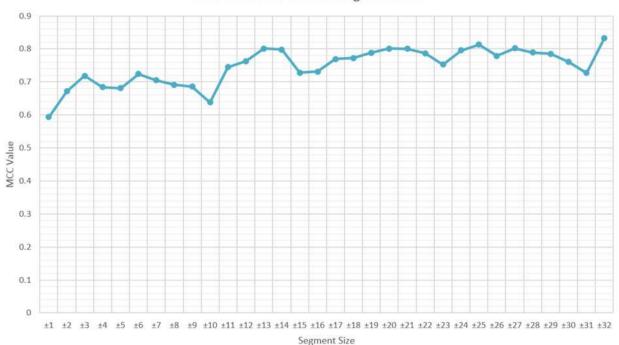
⁴ Department of Computer Science, Morgan State University, Baltimore, Maryland, USA

⁵ School of Engineering and Physics, Faculty of Science Technology and Environment, University of the South Pacific, Suva, Fiji
⁶ Medical Genome Center, National Center for Geriatrics and Gerontology, Obu, Aichi 474-8511, Japan

⁷ CREST, JST, Tokyo, 102-8666, Japan * Corresponding authors

abelavit@gmail.com, alok.sharma@griffith.edu.au

MCC values for different segment sizes



Segment	MCC
±1	0.5933
±2	0.6714
±3	0.7184
±4	0.6843
±5	0.6808
±6	0.7238
±7	0.705
±8	0.6912
±9	0.686
±10	0.6377
±11	0.7449
±12	0.763
±13	0.8012
±14	0.798
±15	0.7279
±16	0.7308

Segment	MCC
±17	0.7694
±18	0.7724
±19	0.7885
±20	0.8015
±21	0.8001
±22	0.7871
±23	0.753
±24	0.7957
±25	0.813
±26	0.7785
±27	0.8018
±28	0.7889
±29	0.785
±30	0.7608
±31	0.7272
±32	0.833