

Mca1 1 -----MSHSWDLGGEIASVAQLTGLDAVKLIGLIVKAANTAWMHKKNCRQFAQHLKLIENLLEQLKIS---EKKYYPETREPLEGLEDALRRSYLLVNSCRDR--SYLYLLAMGWNIV
OsMca1 1 -----MASWENLGDVATVVLQTLGLDAVRLISMIYKAASTARLHKRNCRRFAQHLKLIENLLEQLRVS---EKKYYPETREPLEGLEDALRRAYLLVHSCQDR--SYLYLLAMGWNIV
Mca2 1 -----MANSWDLGGEIASVAQLTGLDALKLIGMIVNAANTARMHKKNCRQFAHHLKLIENLLEQLKNS---ENQRSEILEPLOGLDLRRSYLLVKSCQEK--SYLYLLAMGWNIV
tr|Q654Z6|Q654Z6_ORYSA 1 -----MESSSLWGLVGOASSVAQLVGVDALGLVSMVAQAALARRHDAACRRLGQFAELVGGLLRELELA---ELMRREATRPLEQLQGLARRCYALATACQEDGGYHRLLLGARVA
tr|Q2R001|Q2R001_ORYSA 1 -----MALWSGLGQAATVAQLVGADVGGLSMIMQAAMTAQONKKECEQLARRVFTIAELLQHLQDP---DLRRPEIRRLPLTGLDDTLREAHVELVSCQDK--SAVYQLVMARRQA
tr|Q2QZX6|Q2QZX6_ORYSA 1 -----MWSGLGQAATVAQLVGADVGLSISIMQAAMTARONKKECEQLARRVFTIAELLPHLQDP---VMRRPEVRRPLAGLDLREAHVELVSCQGR--AAAYRLVMARRQA
tr|Q2QZY3|Q2QZY3_ORYSA 1 -----MALWGLGQAATVAQLVGADIGGLITMIMQAAMTAQONKKECEQLARRVFTIAELLQHLQDP---EVLRRPEIRRLPLTGLDDTLREAHVELVSCQDK--SAVYRLVMARRQA
tr|Q2QQC1|Q2QQC1_ORYSA 1 -----MALWSGLGQAATVAQLVGADVGLSISIMVQAAMTAQHMKKECEQLARRAFVIAELLPHLQDP---EVVCLPEIRRLPLVGLDDTLREAHVELVSCQEK--SVVHRLVMARRQA
tr|Q2QZY4|Q2QZY4_ORYSA 1 KEQNPDLASAIALWDVTGHAATVAQLVGADVGGLSMIMQAAMTAQONKKECEQLARRVFTIAELLQHLQDP---EVLRRPEIRRLPLTGLDDTLREAHVELVSCQDK--SAVYRLVMARRQA
tr|Q5VMJ7|Q5VMJ7_ORYSA 1 -----MAVWGLGQAATVAQLVGADVGGLSISIIQAAMTARONKRECDQLARRVVMIAADLLPHLQDP---EVMRRPEVRRPLAELGDTLREAHVELVSCQGR--SAAYRFVMAARRQA
tr|Q5Z661|Q5Z661_ORYSA 1 -----MASG-LWGLGQASSVAQLVGVD-----ACRRLGQVLDVGGLLRELELA---ELMRREATRRLERLQGLARRCYALVRAACQDCGYHRLLLGARVA
tr|Q2QZT9|Q2QZT9_ORYSA 1 -----MAS----EAVSMAANTLAQLTGVDAALGLITMIVEAAKAARRNKRITCLLRLAEVQVGDLLRALQEQPGVTVMERPETSAPLRELQETLRRAHVELVSCRRRGSYPRLRFAQKEQG
tr|Q6ZB70|Q6ZB70_ORYSA 1 -----MAAAVNLNALPAATVAQLAGADAAGLVSAITLQAVRAARRNRRECRLLARRAMVGDLLRLLPPE--ETMRRPEVRRALDGLGGALRQALELVESCQESGAVRGLVITAG--RQA

Mca1 109 YQFRKHQDEIDRFKTIPLITLVDNARIRERFEYIDRDQR-
OsMca1 108 YQFRKAQNEIDNYLRVLPITLVDNARVRREYIERDQC-
Mca2 109 NQFEKAQNEIDLFLKIVPLINMADNARIRERLEAIEDRQR-
tr|Q654Z6|Q654Z6_ORYSA 112 DELRAAQHEIDMYIRLIPLIALVDSASN-HRDK----- Receptor protein kinase-like - *Oryza sativa* (japonica cultivar-group)
tr|Q2R001|Q2R001_ORYSA 108 DRFRDVQSRIDSYLLVLPVLSLDITRRLDRIYNILLPTN- Serine/threonine protein kinase - *Oryza sativa* (japonica cultivar-group)
tr|Q2QZX6|Q2QZX6_ORYSA 105 ERFREVSQKIDSYLLVFPFISHIDITRRLDRIYRLLPNDT Protein kinase domain, putative - *Oryza sativa* (japonica cultivar-group)
tr|Q2QZY3|Q2QZY3_ORYSA 108 EKFRDVQSRIDSYLLVFPFISHMDITRRLDRIYNILLPND- Serine/threonine protein kinase - *Oryza sativa* (japonica cultivar-group)
tr|Q2QQC1|Q2QQC1_ORYSA 108 ERFREVSQSRIDSYLLVFPFISHIDITRRLDRIYRLLPNDH Protein kinase domain, putative - *Oryza sativa* (japonica cultivar-group)
tr|Q2QZY4|Q2QZY4_ORYSA 117 ERFRDVQSRIDSYLLVFPFISHIDITRRLDRIYNILLPTN- Serine/threonine protein kinase - *Oryza sativa* (japonica cultivar-group)
tr|Q5VMJ7|Q5VMJ7_ORYSA 108 DRFRDVQSKIDSYLLVFPFIHIDITRRLDQIVRILAPNDT Cytokinin-regulated kinase-like - *Oryza sativa* (japonica cultivar-group)
tr|Q5Z661|Q5Z661_ORYSA 91 DELRAAQHEIDMYIRLIPLISLVDSSNNRRVY----- Receptor protein kinase-like - *Oryza sativa* (japonica cultivar-group)
tr|Q2QZT9|Q2QZT9_ORYSA 111 ESLREVSQKISIIYQLFPFIHIDITRRLVRRVI----- Protein kinase domain, putative - *Oryza sativa* (japonica cultivar-group)
tr|Q6ZB70|Q6ZB70_ORYSA 111 EQFREVSQGEINQYMLLFPVSHIDITRRLDLYIGLLLPADS Receptor-like kinase CHRK1-like - *Oryza sativa* (japonica cultivar-group)