

CKL1 FRLGRKIGGSFGEIYLGTNIHTNEELAIKLENVKTKHPQLLYESKLYRILQGGTGVNV 60
 CKL12 YRLGRKIGGSFGEIYLGTIQTNEEVAIKLENVKTKHPQLLYESKLYRILQGGTGVNI 60
 CKL2 FRLGRKIGGSFGEIYLGTNIQTNEEVAIKLENVKTKHPQLLYESKLYRILQGGTGVNV 60
 CKL5 FRLGRKIGGSFGEIYLGTDVQTNNEEVAIKLESVKTAHPQLSYESRIYRVLQGGTGIPNM 60
 CKL1d YRLGRKIGGSFGEIYLGTDIAGGEEVAIKLECVTKHPQLHIESKLYMMQGGVGIPTI 60
 CKL8 YKLRKIGGSFGEIYLGTGEEAVAKLEPARARHPQLHYESKLYMLLQGGTGIPHL 60
 CKL13 FKLGKIGGSFGEIYLGTGEEAVAKLEPLRARHPQLHYESKLYMLLQGGTGIPHL 60
 CKL10 FKLGKIGGSFGEIYLGTGEEAVAKLEPLRARHPQLHYESKLYMLLQGGTGIPHL 60
 CKL11 FKLGKIGGSFGEIYLGTGEEAVAKLEPLPVKTRHPQLQYESKLYMLLQGGTGIPHL 60
 CKL7 FKLGKIGGSFGEIYLGTGEEAVAKLEPLPVKTRHPQLQYESKLYMLLQGGTGIPHL 60
 CKL9 FKLGKIGGSFGEIYLGTGEEAVAKLEPLPVKTRHPQLHYESKLYMLLQGGTGIPHL 60
 CKL6 FKLGKIGGSFGEIYLGTGEEAVAKLEPLPVKTRHPQLHYESKLYMLLQGGSGIPSL 60
 CKL3 YKLRKIGGSFGEIYLGTGEEAVAKLEPLPVKTRHPQLHYESKLYMLLQGGSGIPSL 60
 CKL4 YKLRKIGGSFGEIYLGTGEEAVAKLEPLPVKTRHPQLHYESKLYMLLQGGSGIPSL 60
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 CKL1 KWFGVEGDYNVLVMDLILGPSLEDLFNFCSRKLSSLKSVLMLADQMNRVEFHKSFLHRD 120
 CKL12 KWFGVEGDYNTLVMDLILGPSLEDLFNFCSRKLSSLKSVLMLADQMNRVEFHKSFLHRD 120
 CKL2 KWVGVEGDYNVLVIDLILGPSLEDLFNFCSRKLSSLKTVMLADQMNRVEFHQSFLHRD 120
 CKL5 KWVGVEGDYNVLVIDLILGPSLEDLFNFCSRKLSSLKTVMLADQMNRVEFHQSFLHRD 120
 CKL1d RWCAGAEVDYNVVMMELLGPSSLEDLFNFCSRKFSLKTVLILLADQMISRIEYIHSKNSFIHRD 120
 CKL8 KWVGVEGEYNCMVIDLILGPSMEDLFNYCSRRFNLKTVMLADQMNRVEYMHVRGFLHRD 120
 CKL10 KWFGVEGFNCMVIDLILGPSMEFFNYCSRFSFLKTVLMLADQMNRVEYMHVRGFLHRD 120
 CKL11 KWFGVEGYSCMVIDLILGPSLEDLFNYCCKRFSLKTVLMLADQLINRVEYMHSRGFLHRD 120
 CKL7 KWFGVEGDYSVMVIDLILGPSLEDLFNYCNRKLTTLKTVMLADQLINRVEFMHTRGFLHRD 120
 CKL9 KWVGVEGDYNVMVIDLILGPSLEDLFNYCNRKLSLKTVMLADQLINRVEFMHTRGFLHRD 120
 CKL6 KWFGVQGDYNAVMVIDLILGPSLEDLFNYCNRRLTLKAVLMLADQLINRVEYMHSRGFLHRD 120
 CKL3 KWFGVDTENALVMDLILGPSLEDLFVYCGRKFSPKTVMLADQMLTRIEVFHSKGYLHRD 120
 CKL4 RWFGVDGTENALVMDLILGPSLEDLFVYCGRKFSPKTVMLADQMLTRIEVFHSKGYLHRD 120
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 CKL1 LKPDNFMGLGRRANQVYIDFGLAKKYRDSTTHQHIPYRENKNLTGTARYASMNTHLG 180
 CKL12 LKPDNFMGLGRRANQVHIDFGLAKKYRDNTTHQHIPYRENKNLTGTARYASMNTHLG 180
 CKL2 IKPDNFMGLGRRANQVYIDFGLAKKYRD-SNHQHIPYRENKNLTGTARYASMNTHLG 179
 CKL5 IKPDNFMGLGRRANQVYIDFGLAKKYRDSSTHRHIPYRENKSLTGTPRYASLNTHLG 180
 CKL1d VPKPDNFMGLGKGNLVYIDFGLAKKYRDARTHQHIPYRENKNLTGTARYASINTHLG 180
 CKL8 IKPDNFMGLGRKANQVYIDYGLAKKYRDLQTHRHKIPYRENKNLTGTARYASVNTHLG 180
 CKL13 IKPDNFMGLGRKANQVYIDYGLAKKYRDLQTHRHKIPYRENKNLTGTARYASVNTHLG 180
 CKL10 IKPDNFMGLGRKANQVYIDYGLAKKYRDLQTHRHKIPYRENKNLTGTARYASVNTHLG 180
 CKL11 IKPDNFMGLGRRANQVYIDYGLAKKYRDLQTHRHKIPYRENKNLTGTARYASVNTHLG 180
 CKL7 IKPDNFMGLGRRANQVYIDYGLAKKYRDLQTHRHKIPYRENKNLTGTARYASVNTHLG 180
 CKL9 IKPDNFMGLGRRANQVYIDYGLAKKYRDLQTHRHKIPYRENKNLTGTARYASVNTHLG 180
 CKL6 IKPDNFMGLGRRANQVYIDYGLAKKYRDLQTHRHKIPYRENKNLTGTARYASVNTHLG 180
 CKL3 IKPDNFMGLGRRANQVYIDYGLAKKYRDLQTHRHKIPYRENKNLTGTARYASVNTHLG 180
 CKL4 IKPDNFMGLGRRANQVYIDYGLAKKYRDLQTHRHKIPYRENKNLTGTARYASVNTHLG 180
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 CKL1 EQSRRDDLESGLYILMYFLKGSLPQGLKAGTKKQKYERISEKKVSTSIEALCRGYPSEF 240
 CKL12 EQSRRDDLESGLYILMYFLKGSLPQGLKAGTKKQKYERISEKKVSTSIEALCRGYPSEF 240
 CKL2 EQSRRDDLESGLFVLMYFLKGSLPQGLKAGNKQKYEKISEKKVSTSIEALCRGYPSEF 239
 CKL5 EQSRRDDLESGLYVILMYFLKGSLPQGLKAGNKQKYDKISEKKVSTSIEALCRGYPSEF 240
 CKL1d EQSRRDDLESGLYVILMYFLKGSLPQGLKAGNKQKYDKISEKKVSTSIEALCRGYPSEF 240
 CKL8 EQSRRDDLESGLYVILMYFLKGSLPQGLKAGNKQKYDKISEKKVSTSIEALCRGYPSEF 240
 CKL13 EQSRRDDLESGLYVILMYFLKGSLPQGLKAGNKQKYDKISEKKVSTSIEALCRGYPSEF 240
 CKL10 EQSRRDDLESGLYVILMYFLKGSLPQGLKAGNKQKYDKISEKKVSTSIEALCRGYPSEF 240
 CKL11 EQSRRDDLESGLYVILMYFLKGSLPQGLKAGNKQKYDKISEKKVSTSIEALCRGYPSEF 240
 CKL7 EQSRRDDLESGLYVILMYFLKGSLPQGLKAGNKQKYDKISEKKVSTSIEALCRGYPSEF 240
 CKL9 EQSRRDDLESGLYVILMYFLKGSLPQGLKAGNKQKYDKISEKKVSTSIEALCRGYPSEF 240
 CKL6 EQSRRDDLESGLYVILMYFLKGSLPQGLKAGNKQKYDKISEKKVSTSIEALCRGYPSEF 240
 CKL3 EQSRRDDLESGLYVILMYFLKGSLPQGLKAGNKQKYDKISEKKVSTSIEALCRGYPSEF 240
 CKL4 EQSRRDDLESGLYVILMYFLKGSLPQGLKAGNKQKYDKISEKKVSTSIEALCRGYPSEF 240
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 CKL1 ASYFYHYCRSLRFDDKPDYAYLKRIFRDLFI 270
 CKL2 ASYFYHYCRSLRFDDKPDYAYLKRIFRDLFI 270
 CKL5 ASYFYHYCRSLRFDDKPDYAYLKRIFRDLFI 269
 CKL1d ATYLNFCRSLRFDDKPDYAYLKRIFRNLFI- 269
 CKL8 TSYFLYVRSRLRFDDKPDYAYLKRIFRDLFI 270
 CKL13 TSYFLYVRSRLRFDDKPDYAYLKRIFRDLFI 270
 CKL10 TSYFLYVRSRLRFDDKPDYAYLKRIFRDLFI 270
 CKL11 TSYFLYVRSRLRFDDKPDYAYLKRIFRDLFI 270
 CKL7 VSYFYHYCRSLRFDDKPDYAYLKRIFRDLFI 270
 CKL9 VSYFYHYCRSLRFDDKPDYAYLKRIFRDLFI 270
 CKL6 VSYFYHYCRSLRFDDKPDYAYLKRIFRDLFI 270
 CKL3 ASYFYHYCHTLTFDQRPDYGFILKRLFRDLFI- 269
 CKL4 ASYFYHYCHTLTFDQRPDYGFILKRLFRDLFI- 269
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Supplemental Figure 1. Alignment of kinase domains of *Arabidopsis* CKL and human CK1delta (CK1d). Leu 85 and Ile 148 that are crucial for B-AZ binding (Figure 4) are marked in orange.