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D. lanata      MSWWWAGAI GAAKKRLEEDDAQPKHSSVALIVGVTGIIGNSLAEILPLADTPGGPWKVYG 60
I. canariensis MSWWWAGAI GAAKKKLEEDDAPSKHSSVALIVGVTGIIGNSLAEILPLADTPGGPWKVYG 60
A. thaliana    MSWWWAGAI GAAKKKLEDEDEPSQSFESVALIIGVTGIVGNLAEILPLSDTPGGPWKVYG 60
                *****:*.:. . . *****:*****:*****:*****:*****
D. lanata      VARRTRPAWHEDNPINIVQCDISDPDDSQAKLSPLTDVTHVFYVTTWANRSTEQENCEANS 120
I. canariensis VARRTRPAWHEDNPINIVQCDISDPDDSQAKLSHLTDVTHVFYVTTWANRSTEQENCEANS 120
A. thaliana    VARRPRPTWNADHPIDYIQCDVSDAEDTRSKLSPLTDVTHVFYVTTWNRESESENCEANG 120
                ****.***:*.***:*.***:*.***:*.***:*.***:*.***:*.***:*.***:*.***
D. lanata      KMFRNVLDAVIPNCPNLKHISLQTRGRKHYMGPFESYGKIESHDPPYTEDLPRPKYMNFFY 180
I. canariensis KMFRNVLDAVIPNCPNLKHISLQTRGRKHYMGPFESYGKIESHDPPYTEDLPRPKYMNFFY 180
A. thaliana    SMLRNVLQAIIPYAPNLRHVCLQGTGKHYLGFPTNVDGPR-HDPPFTEDMPRLQIQNFY 179
                .*:****:*.*** .***:*.*** *****:*** . . . *****:***:***:***
D. lanata      DLEDIMLEEVEKKEGLTWSVHRPGNIFGFSPYSMMNLVGTLCVYAAICKHEGKVLRFVTC 240
I. canariensis DLEDIMLEEVEKKEGLTWSVHRPGNIFGFSPYSMMNLVGTLCVYAAICKHEGKVLRFVTC 240
A. thaliana    TQEDILFEEIKKIETVTWSIHRPNMIFGFSPYSLMNIVGTLCVYAAICKHEGSPLLFPGS 239
                ***:*.***:*.***:*.***:*.***:*.***:*.***:*.***:*.***:*.***
D. lanata      KAAWDGYSDCSADLIAEHHIWAAVDPYAKNEAFNVSNGDVFKWKHFVKVLAEQFGVCG 300
I. canariensis KAAWDGYSDCSADLIAEHHIWAAVDPYAKNEAFNVSNGDVFKEHFVKVLAEQFGVECG 300
A. thaliana    KKAWEGFMTASDADLIAEQIWAAVDPYAKNEAFNCNNADIFKWKHLWKVLAEQFGIEEY 299
                * **:*: .*****:***** ***** .*.***:***:*****:
D. lanata      EYEEGVDLKLQDLMKGKEPVWEEIVRENGLTPTKLDVGIWWFGDVILGNECFLD SMNKS 360
I. canariensis EYEEGVDLKLQDLMKGKEPVWEEIVRENGLTPTKLDVGIWWFGDVILGNECFLD SMNKS 360
A. thaliana    GFEEGKNLGLVEMMKGERVWEEVVENQLQEKKLEEVGVVWFADVILGVEGMIDSMNKS 359
                :*** :* * :***** *****:*** * .***:***:***.***** * :*****
D. lanata      KEHGFLGFRNSKNAFISWIDKAKAYKIVP 389
I. canariensis KEHGILGFRNSKNAFISWIDKAKAYKIVP 389
A. thaliana    KEYGFLGFRNSNNSFISWIDKYKAFKIVP 388
                **:*:*****:***** **:****

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Alignment of the deduced 5β-POR proteins from *Isooplexis canariensis* (DQ218315), *Digitalis lanata* (AY585867) and *Arabidopsis thaliana* (AAL32529.1). The consensus sequence is indicated by asterisks.