

## Characterization of p53 family homologs in evolutionary remote branches of Holozoa

Václav Brázda, Martin Bartas, Jiří Červeň and Petr Pečinka

### Supplementary material 11: DBDs sequences of the most evolutionarily distant homologs of p53 family for alignment with human p53 DBD

>Caps\_184\_373

EALGTLFTNFDVGVPPFVRVAKPPPTVHPLHIRATLRYKMQFMKEPVRRCPHLHSIDSDLHLLRACDQDQTVYSVDY  
HGRASIAVPFTPTMQPLVPVLINTLKDAHVPLVTRHPSSTHGEASRSNPYVCWSMTWFLKFCYTSCTGG  
MNRRATEIVFTLEDSQGLIYGAQALDFRTCASPSRDRKQLEKS

>Sphae\_53\_254

SHTPMPIYINFRVRLGHFDSTNPTGKLTGSTTYSLLDRLFINMGVYTPITLFSHTPPPEGAVVRCFVVFSSQEKCTTT  
VTRCPNHRSATDHSNTGND  
PQKAPLTHILQVSHPPQAQYLTPSGVESAVVPYNARESSVKNSAAKKERTAGFGAFQDQTSIRYMCYSSCAGSINRE  
NIHTVFRLELGSDILGVASLDTKICSCPSRDRTKAEK

>Creol\_209\_404

PTGKLNGSTTYSKLLDRLFININVTPTIATNKQPPPGAMVRCFVVFSSQEKCRDIVTRCPNHRSPDPTNQSV  
EVPLSHMLHVSHPKALYCPSNTGIESVLIPYRPTISFAKASKIKRPSGTTDSTTDAPTLQEHTYVRFMCSSCPGSINR  
ENIHAVFRLELGDEILGVASLDTKICSCPSRDKAKAEK

>Ichth\_141\_318

FNISFVTKTESGGKSDAKGATWLYGSQRDLLYVTMNTTVPINLTIEGNPPADANVRVKVYANPEDYMERVVRCPT  
HADRKEQATKPPDQIIRVDHLAATNELDRLNHYSVLIPYSKLSRPQLRLRYLCYSSCVASINKRPVSTVILEDASGRL  
LGQRSVSTKICACPGRDLLKKD

>Chromos\_261\_468

FDVCFEGSSLQSKATTWGYSSTLNKVFLNLDTLCPIPLSIEQENIPRGFILRATARFTKPQHYNETVVRCPNHEQKDPN  
FKSSHKDKIVPTSHVVRCENPSAVYETDAASGHHSVYIPIHTRTKSGSSDLSSFADDSKANDNGNDDKPKKTNIIVPF  
KFMCFSSCPGGINRRPFELQLTINNGVVFATRSVGIRVCACPLRDKRSEE

>Clim\_131\_313

FDVDIPTHKPFGAFSKKLEKLFALPHVPYLFSTPITEGSIQIKLFKNPYYQHEPVERCEQCSKKEEQPDAPKHFVT  
CTADERGESNAEHTITDDGPVITMRFNLRQEVAPRVNTGSGNVHCVQRNLKFGCLNSHLGGKNKRDLEINLSLLST  
EGVQLASKTIDLKVKRPQRDADLEEQ

>Homos\_99-289

SQKTYQGSYGFRLGFLHSGTAKSVTCTYSPALNKMFCQLAKTCPVQLWVDSTPPPGTRVRAMAIYKQSQHMTTEVV  
RRCPPHERCSDSDGLAPPQHILRVEGNLRVEYLDNRNTRFRHSVVVPYEPPEVGSDDCTTIHYNMCMSSCMGGMNR  
RPILTIITLEDSSGNLLGRNSFEVRCACPGRRDRTEENL