

p53_Mus_musculus MEESQSDISLELPLSQETFSGLWKLPPEDILP-----SPHCMDDLLLP-QDVEEFFEGP 54
p53_Guinea_pig MEEPHSDLSIEPPLSQETFSDLWKLPPENNVLSD--SLSP-PMDHLLSPPEEVAWLGEN 57
p53_Bugs_Bunny MEESQSDLSLEPPLSQETFSDLWKLPPENNLLTT--SLNP-PVDD-LLSAEDVANWLNED 56
p53_Gold_hamster MEEPQSDLSIELEPLSQETFSDLWKLPPENNVLST--LPSSDSIEELFLS-ENVAGWLEDP 57
p53_Chinese_hamster MEEPQSDLSIELEPLSQETFSDLWKLPPENNVLST--LPSSDSIEELFLS-ENVTGWLEDS 57
p53_Gerbil MEEPQSDLSIEPPLSQETFSDLWKLPPKNNLSA-----LEPMEDLLLP-QDVTSWLGDA 54
p53_Rat MEDSQSDMSIELEPLSQETFSCLWKLPPDDILPTTATGSPNSMEDLFLP-QDVAELLEGP 59
p53_Marmota_monax MEEAQSDLSIEPPLSQETFSDLWNNLLPENNVLSP--VLSP-PMDDLLSSEDEVENWFDKG 57
p53_Spalax MEEQQSDLSIEPPLSQETFSDLWKLPPQNNVLST--PLSPNSMEDLLSPEDVANWL-DD 57
p53_Tree_shrew MEEPQSDPSVEPPLSQETFSDLWKLPPENNVLSP--LPSQ-AMDDLMLSDDIEQWFTED 57

p53_Mus_musculus S---EA---LRVSGAPAAQDPVTETPGPVAPAPATPWPLSSFVPSQKTYQGNYGFLHGLF 108
p53_Guinea_pig P--DGD---GHVSAAPVSEAPTSAGPALVAPAPATSWPLSSSVPSHKPYRGSYGFVHFL 112
p53_Bugs_Bunny P--EEG---LRVPAAPAPEAPAPAAPALAAPAPATSWPLSSSVPSQKTYHGNYGFRGLF 111
p53_Gold_hamster GEALQGSAAAAAPAAEDPVLETAPVASAPATPWPLSSSVPSYKTYQGDYGFRLGFL 117
p53_Chinese_hamster GGALQG---VAAAAASTAEDPVTETPAPVASAPATPWPLSSSVPSYKTFQGDYGFRLGFL 114
p53_Gerbil D---EA---LPVCTAPAEQ-PAPEAPAPAAPPASWPLSSFVPSHKTFQGNYGFRGLF 107
p53_Rat E---EA---LQVS-APAAQEPGTEAPAPVAPASATPWPLSSSVPSQKTYQGNYGFLHGLF 112
p53_Marmota_monax P--DEA---LQMSAAPAPKAPTAASTLAAPSPATSWPLSSSVPSQNTYPGVYGFRLGFL 112
p53_Spalax P--DEA---LQVPAAITGDPVTEPSAPVAPPATPWPLSSSVPSQKTYQGSYGFRLGFL 112
p53_Tree_shrew PGPDEA---PRMPEAAPVAPAPAAPTAAAPAPASWPLSSSVPSQKTYQGSYGFRLGFL 114

p53_Mus_musculus QSGTAKSVMCTYSPPLNKLFCQLAKTQCPVQLWVSATPPAGSRVRAMAIYKKSQHMTEVVR 168
p53_Guinea_pig KSGTAKSVTCTYSPGLNKLFCQLAKTQCPVQVWVESPPPGTRVRALAIYKKSQHMTEVVR 172
p53_Bugs_Bunny HSGTAKSVTCTYSPCLNKLFCQLAKTQCPVQLWVDSTPPPGRVRAMAIYKKSQHMTEVVR 171
p53_Gold_hamster HSGTAKSVTCTYSPSLNKLFCQLAKTQCPVQLWVSSSTPPPGRVRAMAIYKKLQYMTTEVVR 177
p53_Chinese_hamster HSGTAKSVTCTYSPSLNKLFCQLAKTQCPVQLWVNSTPPPGRVRAMAIYKKLQYMTTEVVR 174
p53_Gerbil QSGTAKSVTCTYSPSLNKLFCQLAKTQCPVQLWVSSAPPNGTRVRAMAIYKKSQHMTEVVR 167
p53_Rat QSGTAKSVMCTYSPSLNKLFCQLAKTQCPVQLWVSTSTPPPGRVRAMAIYKKSQHMTEVVR 172
p53_Marmota_monax HSGTAKSVTCTYSPSLNKLFCQLAKTQCPVQLWVDSTPPPGRVRAMAIYKKSQHMTEVVR 172
p53_Spalax HSGTAKSVTCTYSPPLNKLFCQLAKTQCPVQLWVDSTPPPGRVRAMAIYKKSQHMTEVVR 172
p53_Tree_shrew HSGTAKSVTCTYSPDLNKLFCQLAKTQCPVQLWVDSAPPNGTRVRAMAIYKKSQYVTEVVR 174

p53_Mus_musculus RC--HHRCS-----GDGLAPPQHLIRVEGNLYPEYLEDRTFRHSVVVPYEPPEAGSEY 220
p53_Guinea_pig RCPHHERCSD-----SDGLAPPQHLIRVEGNLHAEYVDDRTRFRHSVVVPYEPPEVGSDC 227
p53_Bugs_Bunny RCPHHERCSD-----SDGLAPPQHLIRVEGNLRAEYLDDRTRFRHSVVVPYEPPEVGSDC 226
p53_Gold_hamster RCPHHERSSE-----GDGLAPPQHLIRVEGNMHAEYLDDKQTRFRHSVVVPYEPPEVGSDC 232
p53_Chinese_hamster RCPHHERSSE-----GDGLAPPQHLIRVEGNLHAEYLDDKQTRFRHSVVVPYEPPEVGSDC 229
p53_Gerbil RCPHHERCSENEASDPRGRAPPQHLIRVEGNLHAEYVDDRQTRFRHSVLPVYESPEVGSDC 227
p53_Rat RCPHHERCSD-----GDGLAPPQHLIRVEGNPYAEYLDDRQTRFRHSVVVPYEPPEVGSDC 227
p53_Marmota_monax RCPHHERCSD-----SDGLAPPQHLIRVEGNLRAEYLDDRTRFRHSVVVPYEPPEVGSDC 227
p53_Spalax RCPHHERCSD-----SDGLAPPQHLIRVEGNLRAEYLDDKHTFRHSVVVPYEPPEVGSDC 227
p53_Tree_shrew RCPHHERCSD-----SDGLAPPQHLIRVEGNLHAEYSDDRTRFRHSVVVPYEPPEVGSDC 229

p53_Mus_musculus TTIHYKYMCSNCCMGMNRRPILTIITLEDSSGNLLGRDSFEVRCACPGRRRTEENF 280
p53_Guinea_pig TTIHYNYMCSNCCMGMNRRPILTIITLEDSSGKLLGRDSFEVRCACPGRRRTEENF 287
p53_Bugs_Bunny TTIHYNYMCSNCCMGMNRRPILTIITLEDSSGNLLGRNSFEVRCACPGRRRTEENF 286
p53_Gold_hamster TTIHYNYMCSNCCMGMNRRPILTIITLEDPSGNLLGRNSFEVRCACPGRRRTEENF 292
p53_Chinese_hamster TTIHYNYMCSNCCMGMNRRPILTIITLEDPSGNLLGRNSFEVRCACPGRRRTEENF 289
p53_Gerbil TTIHYNYMCSNCCMGMNRRPILTIITLEDPSGNLLGRNSFEVRCACPGRRRTEENL 287
p53_Rat TTIHYKYMCSNCCMGMNRRPILTIITLEDSSGNLLGRDSFEVRCACPGRRRTEENF 287
p53_Marmota_monax TTIHYNYMCSNCCMGMNRRPILTIITLEDSSGNLLGRNSFEVRCACPGRRRTEENF 287
p53_Spalax TTIHYNYMCSNCCMGMNRRPILTIITLEDSSGNLLGRNSFEVRCACPGRRRTEENF 287
p53_Tree_shrew TTIHYNYMCSNCCMGMNRRPILTIITLEDSSGKLLGRNSFEVRCACPGRRRTEENF 289

p53_Mus_musculus RKKEVLCPELPPGSAKRALPTCTS-ASPQKKKPLDGEYFTLTKIRGRKRFEMFRELNEAL 339
p53_Guinea_pig RKKGGLCPEPTPGNIKRALPTSTS-SSPQKKKPLDAEYFTLTKIRGRKRFELIREINEAL 346
p53_Bugs_Bunny RKKGEPCPELPPGSAKRALPTTTDSSPQKKKPLDGEYFTLTKIRGRERFEMFRELNEAL 346
p53_Gold_hamster QKKGEPCPELPPKSAKRALPTNTS-SSPQKKKPLDGEYFTLTKIRGRERFKMFQELNEAL 351
p53_Chinese_hamster QKKGEPCPELPPKSAKRALPTNTS-SSPPPKKPLDGEYFTLTKIRGRERFKMFQELNEAL 348
p53_Gerbil RKK-QRCPELPQGS AKRALPTNTS-SSPQSKKPADGEYFTLTKIRGRKRFEMFRELNEAL 345
p53_Rat RKKEEHCPELPPGSAKRALPTSTS-SSPQKKKPLDGEYFTLTKIRGRERFEMFRELNEAL 346
p53_Marmota_monax RKKGEPCPEPPRSTKRALPNTS-SSPQKKKPLDGEYFTLTKIRGRARFEMFQELNEAL 346
p53_Spalax RKKGELCPELPPGSTKRALPTSTS-SSPQKKKPLDGEYFTLTKIRGRERFEMFRELNEAL 346
p53_Tree_shrew RKKGESCPKLPSTGSIKRALPTGSS-SSPQKKKPLDEEYFTLTKIRGRERFEMLEINEAL 348

p53_Mus_musculus ELKDAHATEESGDSRAHSSYLKTKKGQSTSRHKKTMVKKVGPDS 384
p53_Guinea_pig EFKDAQTEKEPESRPHSSYPKSKKGQSTSCHKKLMFKREGDSD 391
p53_Bugs_Bunny ELKDAQAEKEPESGSAHSSYLKAKKGQSTSRHKKPMFKREGPDS 391
p53_Gold_hamster ELKDAQALKASEDSGAHSSYLKSKKGQASRLKKLMIKREGPDS 396
p53_Chinese_hamster ELKDAQASKGEDNGAHSSYLKSKKGQASRLKKLMIKREGPDS 393

p53_Gerbil	ELKDAQAAGESGDGRAQASCLKTKKDKSTSPRKNPMIKREEPDSD	390
p53_Rat	ELKDARAAEESGDSRAHSSYPKTKKGQSTSRHKKPMIKKVGPDSD	391
p53_Marmota_monax	ELKDAQAEKEPGESRPHPSYLSKKGQSTSRHKKIIFKREGPDSD	391
p53_Spalax	ELKDTQAEKDSGESRAHSSYLSKKGQSTSRHKKLMIKREGPDSD	391
p53_Tree_shrew	ELKDAMAGKESAGSRAHSSHLKSKKGQSTSRHRKLMFKTEGPDSD	393