

042 11368 APECO78 BW2952 CE10 E2348/69 **EDL933** IAI1 IAI39 MG1655 REL606 S88 Sakai DNA SMS-3-5 TW14359 UMN026 UTI89

consensus

MLKQVE I FTDGSCLGNPGPGGYGA I LRYRGREKTFSAGYTRTTNNRVELWAA I VALEALKEHCEV I LSTDSQYVRQG I TQW I HNWKKRGWKTADKKPVKNWDLWQRLDAA [12]

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MLKOVEIFTDGSCLGNPGPGGYGAILRYRGREKTFSAGYTRTTNNRMELMAAIVALEALKEHCEVILSTDSQYVRQGITQWIHNWKKRGWKTADKKPVKNVDLWQRLDAA MLKQVEIFTDGSCLGNPGPGGYGAILRYRGREKTFSAGYTRTTNNRMELMAAIVALEALKEHCEVILSTDSQYVRQGITQWIHNWKKRGWKTADKKPVKNVDLWQRLDAA MLKQVEIFTDGSCLGNPGPGGYGAILRYRGREKTFSAGYTRTTNNRMELMAAIVALEALKEHCEVILSTDSQYVRQGITQWIHNWKKRGWKTADKKPVKNVDLWQRLDAA MLKQVEIFTDGSCLGNPGPGGYGAILRYRGREKTFSAGYTRTTNNRMELMAAIVALEALKEHCEVILSTDSQYVRQGITQWIHNWKKRGWKTADKKPVKNVDLWQRLDAA MLKQVEIFTDGSCLGNPGPGGYGAILRYRG<mark>H</mark>EKTFSAGYTRTTNNRMELMAAIVALEALKEHCEVILSTDSQYVRQGITQWIHNWKKRGWKTADKKPVKNVDLWQRLDAA <u>MLKQVEIFTDGSCLGNPGPGGYGAILRYRGREKTFSAGYTRTTNNRMELMAAIVALEALKEHCEVILSTDSQYVRQGITQWIHNWKKRGWKTADKKPVKNVDLWQRLDAA</u> MLKQVEIFTDGSCLGNPGPGGYGAILRYRGREKTFSAGYTRTTNNRMELMAAIVALEALKEHCEVILSTDSQYVRQGITQWIHNWKKRGWKTADKKPVKNVDLWQRLDAA MLKQVEIFTDGSCLGNPGPGGYGAILRYRGREKTFSAGYTRTTNNRMELMAAIVALEALKEHCEVILSTDSQYVRQGITQWIHNWKKRGWKTADKKPVKNVDLWQRLDAA MLKQVEIFTDGSCLGNPGPGGYGAILRYRGREKTFSAGYTRTTNNRMELMAAIVALEALKEHCEVILSTDSQYVRQGITQWIHNWKKRGWKTADKKPVKNVDLWQRLDAA MLKQVEIFTDGSCLGNPGPGGYGAILRYRGREKTFSAGYTRTTNNRMELMAAIVALEALKEHCEVILSTDSQYVRQGITQWIHNWKKRGWKTADKKPVKNVDLWQRLDAA MLKQVEIFTDGSCLGNPGPGGYGAILRYRGREKTFSAGYTRTTNNRMELMAAIVALEALKEHCEVILSTDSQYVRQGITQWIHNWKKRGWKTADKKPVKNVDLWQRLDAA MLKQVEIFTDGSCLGNPGPGGYGAILRYRGREKTFSAGYTRTTNNRMELMAAIVALEALKEHCEVILSTDSQYVRQGITQWIHNWKKRGWKTADKKPVKNVDLWQRLDAA MLKQVEIFTDGSCLGNPGPGGYGAILRYRGREKTFSAGYTRTTNNRMELMAAIVALEALKEHCEVILSTDSQYVRQGITQWIHNWKKRGWKTADKKPVKNVDLWQRLDAA MLKQVEIFTDGSCLGNPGPGGYGAILRYRGREKTFSAGYTRTTNNRMELMAAIVALEALKEHCEVILSTDSQYVRQGITQWIHNWKKRGWKTADKKPVKNVDLWQRLDAA MLKQVEIFTDGSCLGNPGPGGYGAILRYRGREKTFSAGYTRTTNNRMELMAAIVALEALKEHCEVILSTDSQYVRQGITQWIHNWKKRGWKTADKKPVKNVDLWORLDAA MLKQVEIFTDGSCLGNPGPGGYGAILRYRGREKTFSAGYTRTTNNRMELMAAIVALEALKEHCEVILSTDSQYVRQGITQWIHNWKKRGWKTADKKPVKNVDLWQRLDAA

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consensus

LGOHQ I KWEWKGHAGHPENERCDE LARAAAMPT LEDTGYQVEV [\$

IKWEWVKGHAGHPENERCDELARAAAMNPTLEDTGYQVEV 155 LGQHQIKWEWVKGHAGHPENERCDELARAAAMNPTLEDTGYQVEV 155 155 LGQHQIKWEWVKGHAGHPENERCDELARAAAMNPTLEDTGYQVEV 155 LGQHQIKWEWVKGHAGHPENERCDELARAAAMNPTLEDTGYQVEV LGQHQIKWEWVKGHAGHPENERCDELARAAAMNPTLEDTGYQVEV 155 155 LGQHQIKWEWVKGHAGHPENERCDELARAAAMNPTLEDTGYQVEV <u>LGQHQIKWEWVKGHAGHPENERCDELARAAAMNPTLEDTGYQVEV</u> 155 155 LGQHQIKWEWVKGHAGHPENERCDELARAAAMNPTLEDTGYQVEV 155 LGQHQIKWEWVKGHAGHPENERCDELARAAAMNPTLEDTGYQVEV LGQHQIKWEWVKGHAGHPENERCDELARAAAMNPTLEDTGYQVEV 155 LGQHQIKWEWVKGHAGHPENERCDELARAAAMNPTLEDTGYQVEV 155 LGQHQIKWEWVKGHAGHPENERCDELARAAAMNPTLEDTGYQVEV 155 <u>LGQHQIKWEWVKGHAGHPENERCDELARAAAMNPTLEDTGYQVEV</u> 155 LGQHQIKWEWVKGHAGHPENERCDELARAAAMNPTLEDTGYQVEV 155 <u>LGQHQIKWEWVKGHAGHPENERCDELARAAAMNPTLEDTGYQVEV</u> 155 155 LGQHQIKWEWVKGHAGHPENERCDELARAAAMNPTLEDTGYQVEV LGQHQIKWEWVKGHAGHPENERCDELARAAAMNPTLEDTGYQVEV 155