Annotations - PepMix™ HBV (LEP) Ultra

HBV Large Envelope Protein, average coverage of 7258 different protein sequences is 83.1 %

Coverage of the sequences of HBV Large Envelope Protein was calculated with respect to the following GenBank accession identifiers:

1 Protein sequence is covered at 100 % (genotype A: 1):
X51970

47 Protein sequences are covered at 92 % (genotype A: 47):
KX827296; KX827295; KX827294; KF779375; KF779368; KF779364; KF779363; KF779362; KF779361; KF779359; KF779354; KF779342; KF779335; KF779331; KF779328; KF779312; KF779277; JQ707397; JQ707396; JQ707394; JQ707393; JQ707392; JQ707391; JQ707390; JQ707389; JQ707388; JQ707387; JQ707386; JQ707385; JQ707383; JQ707382; JQ707381; JQ707379; JQ707377; JQ707376; JQ707375; JQ707373; JQ707371; JQ707338; JQ707307; JN604306; JN604299; JN604160; JN604162; KF779234; AF090841; JN604282

15 Protein sequences are covered at 91 % (genotype A: 15):
KF779374; KF779372; KF779311; KF779309; KF779295; KF779276; KF779269; KF779249; KF779239; JQ707395; JQ707315; AY233280; JQ707332; JQ707336; JQ707380

23 Protein sequences are covered at 90 % (genotype A: 21; unclassified: 2):
KF779365; KF779358; JQ707374; JQ707321; JQ707310; JQ707304; JQ707303; KF779356; KF779349; KF779330; JQ707322; JN604319; AM282986; AY707087; AY902775; EU859939; JF439767; JF439777; JF439774; JF439768; JF439769; JF440022; JF440019

12 Protein sequences are covered at 89 % (genotype A: 12):
JQ707308; JQ707372; JQ707323; JQ707342; JQ707341; JQ707339; JQ707333; JQ707320; JQ707311; JQ707302; JQ707299; JF440020

226 Protein sequences are covered at 88 % (genotype A: 225; unclassified: 1):
JQ707398; AB116079; AB116080; AB246337; AB246338; AB453979; AB453980; AB453981; AB480038; AB480041; AB697489; AB697491; AB697495; AB697496; AB697497; AB697498; AB697499; AB697501; AB697503; AB697504; AB697505; AB697507; AB697508; AB775198; AB775200; AB775201; AB937792; AB937793; AB937794; AF043580; AJ012207; AM295795; AM295797; AY862868; EU086721; EU594383; JN604173; JN604158; JF439766; JF439765; JF439764; JF439763; JF439761; JF439759; JF439758; JF439757; JF439756; JF439755; JF439754; JF439753; JF439752; GU563562; GU563558; GU563554; GU563546; GQ477498; GQ477461; GQ414522; FJ349224; EU859942; EU859937; EU859936; EU859935; EU859931; EU859930; EU859929; EU859928; EU859927; EU859926; EU859925; EU859924; EU859923; EU859922; EU859920; EU859919; EU859918; EU859917; EU859916; EU859915; EU859914; EU859913; EU859912; EU859911; EU859910; EU859909; EU859908; EU859906; EU859905; EU859904; EU859903; EU859902; EU859901; EU859899; EU859898; EU594395; EU594394; EU594393; EU594392; EU594390; EU594388; AB697487; JQ707400; JQ707312; JQ707399;

JQ707326; JQ707309; JQ707420; JQ707418; JQ707417; JQ707416; JQ707415; JQ707413; JQ707412; JQ707410; JQ707409; JQ707407; JQ707405; JQ707404; JQ707403; JQ707402; JQ707331; JQ707330; JQ707328; KF779348; KF779345; KF779344; KF779275; KF779261; JN604307; LC074724; L13994; KY003230; KP274928; KP274925; KP234051; KM606749; KM606742; KJ854710; KJ843218; KJ843217; KJ843215; KJ843214; KJ843192; KJ843188; KJ843186; KJ843182; KJ843173; KJ843166; KF779385; KF779379; KF779378; KF779369; KF779360; KF779355; KF779351; KF779350; KF779339; KF779338; KF779337; KF779329; KF779310; KF779304; KF779299; KF779279; KF779266; KF779262; KF779258; KF779256; KF779253; KF779251; KF779245; KF779244; KF779243; KF779240; KF779227; JX310732; JX310731; JX310725; JX310724; JX310721; JQ707637; JQ707636; JQ707634; JQ707633; JQ707632; JQ707631; JQ707629; JQ707627; JQ707626; JQ707624; JQ707623; JQ707622; JQ707621; JQ707620; JQ707619; JQ707618; JQ707617; JQ707614; JQ707613; JQ707612; JQ707611; JQ707610; JQ707566; JQ707565; JQ707555; JQ707546; JQ707534; JN604303; JN604292; JN604291; JN604283; JN604279; JN604262; JN604257; JN604242; JN604228; JN604191; JN604185; JN604184; JN604180; JN604178; JN604167; KF779293; EU594387; JN604274; AB933282

32 Protein sequences are covered at 87 % (genotype A: 32):
KF779263; JQ707324; AY862867; JN604164; GQ477503; EU859953; JQ707419; JQ707344; JQ707319; JQ707406; KF779265; KP718093; KF779373; KF779367; KF779352; KF779347; KF779346; KF779334; KF779326; KF779248; KF779247; KF779246; KF779238; JX310722; JQ707625; JN604315; JN604300; JN604297; JN604268; JN604266; JN604247; JN604200

108 Protein sequences are covered at 86 % (genotype A: 108):
AF090839; AB300367; GQ477466; GQ477484; AB697506; AB697512; EU414132; EU414133; GQ477472; EU859921; EU859907; EU594389; KF779260; JQ707314; JQ707300; KF476009; GQ477486; JQ707343; JQ707317; JQ707313; Z35717; KP718101; KP718099; KP718098; KP718097; KP718096; KP718095; KP718094; KP718092; KP718091; KP718090; KP718088; KM606746; KF779386; KF779325; KF779316; KF779294; KF779290; KF779221; KF476011; KF476004; KF475998; KF475997; KF475992; KF475990; KF475989; KF475987; KF475986; JX096953; JQ707609; JQ707570; JQ707562; JQ707560; JQ707556; JQ707541; JN604276; KP274927; KJ843216; KF779366; KF779317; KF779257; KF779232; JX310723; JQ707564; JN604294; JN604273; JN604181; KJ843172; KF779371; KF779308; KF779307; KF779306; KF779305; KF779281; KF779280; KF779273; KF779271; JQ707616; JQ707569; JQ707557; JQ707543; JN604293; JN604216; AB116081; AB116078; AB480036; AY128092; EU859944; GQ477467; GQ477496; EU859949; EU859948; EU859947; EU859946; EU859940; JF439869; JF439871; JF439874; JF439876; JF439877; JF439878; JF439879; JF439880; JF439881; JF439882; JF439883; JQ707411; JQ707414

19 Protein sequences are covered at 85 % (genotype A: 19):
GQ477504; KF476014; KF475991; KF475982; JQ707547; JQ707301; KP718102; KF779286; KF476002; KF475985; KF779291; KF779283; KF779254; JQ687533; KJ843184; JN604240; AB453983; GQ477488; AF090838

111 Protein sequences are covered at 84 % (genotype A: 111):
EU594386; DQ788725; GU563553; GU563557; JQ707378; GQ477482; AB937798; AB116077; GQ477462; EU859900; JF439977; AM295798; AM295799; AM410963; EU859945; JF439945; JF439946; JF439947; JF439948; JF439950; JF439953; JF439954; JF439962; JF439967; JF439969; JF439974; JF439978; JF439986; JF439980; AB697492; GQ477487; GQ477468; EU859943; EU859941; EU859933; EU859932; EU594384; KF475988; AB263406; KF476010; KF475999; KF475993; JQ707573; JQ707408; JN604179; KF779336; KF779274; KF779252; KF476007; KF475996; KF475995; KF475984; KF475983; JX096952; JQ707568; JQ707567; JQ707563; JQ707532; JQ687529; KF779381; KF779268; JX310730; JQ707681; JQ707675; JQ707674; JQ707672; JQ707670; JQ707669; JQ707667; JQ707665; JQ707664; JQ707662; JQ707661; JQ707659; JQ707656; JQ707655; JQ707654; JQ707653; JQ707652; JQ707651; JQ707650; JQ707648; JQ707646; JQ707645; JQ707644; JQ707643; JQ707642; JQ707641; JQ707639; JQ707544; KJ854709; KJ854708; KF779333; KF779315; KF779297; JQ707630; JN604304; JN604204; JF439833; JF439838; JF439844; JF439848; JF439854; JF439856; JF439835; JF439837; EU859938; JF439828; JF439829; JF439831; AB014370

26 Protein sequences are covered at 83 % (genotype A: 25; unclassified: 1):
GQ477495; AF090840; JN604190; AJ309371; EU859956; JF439955; JF439971; AB697509; KF779259; KF779272; KF476005; JQ707538; JQ707558; JQ707615; JX125367; JQ707549; KF779231; JQ707535; KF779322; JF439832; JF439820; AB064314; KJ586809; EU747320; JF439873; JF440021

94 Protein sequences are covered at 82 % (genotype A: 68; genotype B: 25; unclassified: 1):
JF439927; GQ184323; JF439944; GQ477491; JF439952; EU859955; EF208113; AB453984; JF439991; JF439987; JF439762; JF439989; AB697493; JF439951; JF439956; JF439963; HE576989; GU563555; JQ707559; KF779264; KF476000; JQ707551; AF536524; KF779215; KF779213; JQ707536; KX827297; KF476001; JQ707676; JQ707663; JQ707647; JQ707554; JQ707553; JQ707552; JQ707542; JQ707540; JQ707533; JQ707531; KF779370; KF779324; KF779323; KF779282; KF779270; KF475994; JQ707640; JQ707635; JN604197; KX827298; KU605532; KF779319; JQ707550; JF439865; JF439845; JF439843; JF439858; JF439860; JF439859; JF439834; GQ477494; GQ477480; GQ477465; AF537371; X70185; JQ707316; JQ707354; JQ707362; JQ707364; KF214663; AB300364; FJ386583; FJ386584; GU815568; GU815566; GU815564; GU815560; GU815559; GU815556; GU815555; GU815553; GU815552; GU815551; GQ924610; KC774389; KC774385; KC774378; JX661482; KC774387; KC774386; KC510660; KC510659; KC510644; KU964164; KC792838; AB222708

45 Protein sequences are covered at 81 % (genotype A: 42; genotype B: 1; genotype C: 2):
AY233286; AB549213; JF439973; JF439961; JF439957; JF439984; JF439979; GQ477490; KF779383; KF476006; JQ707571; KF476015; JQ707545; AJ309369; JF439981; GQ477501; JF439870; JF439875; AY152726; JQ707348; JQ707357; JQ707347; JQ707361; JN604261; JN604171; EU410082; AY934767; JN604169; AF043560; JN604252; KP168432; KJ854706; KJ854705; KJ854704; KJ854702; KJ854697; KJ854687; KJ843183; KM606748; KJ854707; KJ854700; KJ854694; GU815549; EU939562; KU964341

81 Protein sequences are covered at 80 % (genotype A: 45; genotype B: 15; genotype C: 14; unclassified: 7):
KF779320; JF439915; JF439914; JF439988; JF439939; JF439932; JF439934; JF439936; JF439940; JF439965; JF439968; JF439928; JF439923; KF779298; EU594391; EU859954; GU563550; JF439959; HE576988; EU594385; JQ707572; KF779255; JF439982; KX827293; KF779321; JQ707658; JQ707649; JQ707638; JF439840; GQ477464; GQ477500; GQ477493; EU859951; JF439825; JF439822; JF439872; JQ707370; AY934769; AY934774; AY934770; FM199979; FM199978; KJ854686; KP168433; KJ854693; GU815561; GU815569; JX661478; GU815576; GU815575; GU815570; GU815567; GU815565; GU815563; GU815562; GU815558; GU815548; KC510651; KC793101; KU964155; KC774231; KC774348; KC774342; KC774264; FJ386662; KC774309; GQ475336; KC774302; KC774266; KC774185; FJ562333; KC774310; KC774232; EU939617; KJ173349; KC774305; KC774186; KC774349; KC774341; KC774263; AB453985

45 Protein sequences are covered at 79 % (genotype A: 43; genotype C: 1; unclassified: 1):
JF439937; JX125364; JF439938; KF476008; JF439993; JF439960; KF476013; JQ707607; JQ707594; JF439985; JF439983; KF779287; X02763; JQ707539; Z72478; JF439853; GQ477479; JQ707346; JQ707352; JQ707353; JQ707355; JQ707356; JQ707359; JQ707360; JQ707363; JQ707365; JQ707369; FJ692588; FJ692590; DQ020003; AB937796; AB937791; KF214660; KF922437; KF922435; KU736920; KJ854690; KX357645; KJ854695; KP168434; KF922428; KF922427; KF922426; KC774333; GQ377635

288 Protein sequences are covered at 78 % (genotype A: 69; genotype B: 207; genotype C: 11; unclassified: 1):
KF779332; AY738140; AY738141; AY738142; AY738139; GQ477463; JQ707575; JQ707603; JF439933; GQ477478; GQ477469; JF439824; JQ707606; JQ707578; KF476003; JQ707350; JF439972; GQ477475; GQ477473; AB126580; JQ707577; GQ184324; JF439992; JQ707548; JQ707537; GU563551; KM519454; JX125368; JN604290; JF439839; JF439836; JF439847; JF439846; JF439851; AB300366; AB453982; AB480039; AB362931; AB116076; JQ707367; JQ707349; KU736918; AF090842; AB241114; AB453987; AB116087; KF214661; JN604145; GU563545; AM184126; AY934763; AY233284; KF922408; KU605536; KU605537; KU605538; KU605539; AY233279; AY233276; KF779384; M57663; KM519452; KF922436; LC051141; KR905430; KP168423; KM519453; KJ854692; KX357650; DQ993700; DQ993701; GU815739; EU139543; EU306700; EU306701; EU306702; EU306706; EU306708; EU306712; AB073829; GQ377542; GU815718; GU815554; GQ924653; GQ924611; AF100308; AB195933; GQ377569; EU306698; EU306697; EU306695; DQ993703; DQ448626; DQ448623; DQ377158; AF121249; KC510642; GU815742; GU815740; GU815737; GU815732; GU815730; GU815729; GU815727; GU815725; GU815724; GU815721; GU815720; GU815719; GU815717; GU815716; GU815712; GU815711; GU815677; GU815676; GU815675; GU815674; GU815673; GU815672; GU815669; GU815668; GU815667; GU815666; GU815665; GU815664; GU815663; GU815662; GU815661; GU815660; GU815659; GU815654; GU815652; GU815650; GU815649; GU815648; GU815647; GU815633; GU815632; GU815623; GU815571; GU815550; GQ924608; GQ924605; GQ924603; GQ377643; GQ377641; GQ377558; GQ377547; GQ205440; FJ386582; EU570071; EU570070; EU564824; EU564823; EU306680; EU306679; DQ448621; DQ448619; AF479684; AB471855;

AB287328; AB246339; AB073834; AB073826; AB073822; KU963949; JN406371; JX429899; JQ341583; KC792766; KC774394; KC774393; KC774392; KC774388; KC774384; KC774383; KC510648; KC510643; JX869999; JX661484; JX661476; JX661474; JX661472; JX507215; JX507210; JX429908; JX429900; JQ688405; JF899335; KJ173353; KP148360; KP148359; KP148320; KP148319; KP148318; KM359440; KJ173369; KC792893; KM392072; KJ173412; KJ173411; KC792798; KU964092; KU964088; KU964087; KU963855; KU963841; KU963840; KU963839; KU963838; KU963837; KU963836; KU963834; KU963832; KU963831; KU963830; KU963829; KU963828; KU963813; KU963812; KU963811; KU963810; KU963809; KU963808; KU963807; KU963806; KU963805; KU963804; KU963803; KU963802; KU963801; KU963800; KU963799; KP341008; KP148366; KP148364; KP148362; KP148332; KP148329; KP148327; KP148323; KJ410517; KJ173425; KJ173415; KJ173414; KJ173413; KJ173410; KJ173409; KJ173408; KJ173407; KJ173406; KJ173405; KJ173400; KJ173399; KJ173382; KJ173381; KJ173374; KJ173367; KJ173359; KJ173354; KJ173352; KJ173345; KC793176; KC793167; KC793135; KC793105; KC793102; KC793085; KC792993; KC792899; KC792895; KC792872; KC792856; KC792828; KC792784; KC792747; KU964170; KC774224; JX125375; JX125374; JX125373; FJ386624; KJ173309; AY641561; GQ475338; AB367417; AY167096; KC774246

354 Protein sequences are covered at 77 % (genotype A: 29; genotype B: 39; genotype C: 242; unclassified: 44):
AY738143; JQ707581; JF439970; JQ707596; JF439930; JF439931; AJ309370; KF476012; JF439857; JF439867; JF439841; JQ707366; AM184125; AY233278; DQ020002; AY934768; FJ692599; FJ692604; KP234053; FJ692601; FJ692597; KF214659; FJ692566; FJ692557; FJ692574; KJ854696; KJ854703; KJ854688; KP718085; FJ032352; FJ032353; FJ032354; EU796067; GU815733; GU815572; EU306696; GU815658; GU815646; GQ924632; GU815678; GQ377587; GQ377537; FJ386655; JX978431; JQ801471; JF412801; KJ173348; KJ173347; JX869998; KU963853; KU963851; KU963850; KU963849; KU963848; KU963847; KU963846; KU963845; KU963844; KU963843; KJ173351; KJ173343; KC793179; KU964167; KU964162; KP148333; KP148330; KJ173421; KJ173420; KC774242; KU964172; KJ598661; KJ598639; KJ598636; KJ598635; KC774359; KC774347; KC774320; KC774276; KC774182; KU964048; KU964047; KU964046; KU964045; KU964044; KU964041; KU964040; KU964038; KU964037; KU964036; KU964035; KU964034; KU964002; KU963997; KU963996; KU963992; KR013873; KP017272; KP017271; KP017269; KJ803765; KJ790199; KJ173434; KJ173433; KJ173429; KJ173428; KJ173427; KJ173426; KJ173394; KJ173393; KJ173306; KJ173296; KJ173288; KF053172; KC793035; KC792965; KC792962; KC792940; KC792921; KC792803; KC792776; KC792695; KC792690; KC792655; KC774338; KC774337; KC774331; KC774327; KC774316; KC774315; KC774314; KC774312; KC774292; KC774287; KC774286; KC774272; KC774249; KC774243; KC774241; KC774240; KC774237; KC774229; KC774226; KC774197; JX661495; JX661492; JX504545; JX429909; JQ688404; JQ341648; FJ386614; AB198077; AB198078; AB300365; AB300359; KC774238; FJ715353; KJ598638; FJ715402; FJ562291; EU939566; JN604148; FJ787456; KC774308; KC774250; KU964199; KU964198; KU964197; KU964196; KU964195; KU964194; KU964192; KU964191; KU964190; KU964189; KU964188; KU964187; KU964186; KU964185; KU963899; KU963898; KU963897; KU963896; KU963895; KU963894; KU963893; KU963892; KU963891; KU963890; KU963889; KU963888; KU963887; KU963886; KJ173440; KJ173439; KJ173337; KJ173310; KJ173289; KJ173287; KC774293; KC774251; KC774248; KC774239; KC774220; KC774195; KC774184; KC774181; JX504546;

JX429904; JQ040162; HM750138; GQ475345; GQ475341; GQ475314; GQ475308; GQ475307; GQ475306; GQ377551; GQ377527; FJ715403; FJ715383; FJ715382; FJ562283; FJ386619; FJ386609; FJ386587; EU939652; EU939591; EU939590; DQ089793; AB367420; FJ715374; FJ715375; FJ715376; FJ386588; GQ377632; AB642100; AB900116; AB198079; AB198083; AB300361; AB050018; EU554538; GQ377523; GQ377603; KU964173; HQ622095; KJ173442; KJ173312; KJ173311; KJ173303; KJ173295; KJ173292; KC774304; JQ040163; HM750135; HM750132; GU434374; GQ924633; KR013779; KT284753; KR013797; KR013784; KR013783; KR013782; KM213037; KC793187; KC793039; KC774326; KC774295; KC774275; KC774259; KC774257; KC774223; JX429905; GQ377600; GQ377528; FJ899776; FJ787486; EU560441; DQ922651; AF384371; GQ377637; GQ377617; GQ377579; GQ205441; FJ562329; FJ562327; FJ562218; FJ386639; FJ386574; FJ032359; EU871982; EU093918; EU093916; EU093913; EU093909; EU082431; EU082430; EU082429; EU082428; EU075342; EU075338; EU075334; DQ993693; AB675677; AB670311; KX276976; KX276960; KY022423; KX276835; EU660227; KU963870; KU963867; KU963866; KU963865; KU963864; KU963863; KU963861; KU963860; KU963859; KU963858; KU963857; KU963856; KC774328; KC774322; KC774317; KC774294; JX429896; HM750133; GQ377611; GQ377607; AB198084; EU787444; Y18856; KU964003; KU964001; KU963999; KU963998; KU963995; KU963994; KU963993; KU963991; KU963990; KJ173300; KJ173299; KC774258; KC774201; KC774198; JX661494; JX026887; AY167095; KM213033; KC774332; GQ377544

144 Protein sequences are covered at 76 % (genotype A: 50; genotype B: 44; genotype C: 43; unclassified: 7):
JF439921; JF439958; JF439976; JF439942; JF439929; JQ707579; JF439943; KF779210; KF779313; AB205118; JF439852; JF439855; EU859934; JQ707337; JQ707351; AB116084; JN182333; FN545831; AY233288; JN182322; JN182321; JN182318; KP234050; GU563548; JN182323; JN182325; JN182326; JN182329; FJ692608; FJ349296; AY233274; AY934766; KX357646; FJ692578; FJ692579; FJ692580; FJ692581; FJ692582; FJ692583; FJ692584; FJ692585; HM535200; KF476021; AY233283; AY233289; KX648548; KU605535; KT347088; KJ854701; KX357643; KJ717831; KJ803817; DQ993698; FJ562231; EU306710; EU306705; EU306709; DQ448624; DQ993704; DQ993706; DQ993707; AF121244; GU815764; GU815761; DQ448622; GU815680; JQ801479; GU815618; GU815557; GQ377639; GQ377625; EF473975; KP148356; JQ341593; KJ410500; KC793001; KP148363; KP148325; JQ412090; KP148326; KU963959; KU963958; KU963957; KU963956; KU963954; KU963952; KU963950; KU963947; KU963945; KP148334; KM875418; KU964123; KR152339; KJ173365; KJ598659; KC774303; KX276964; KC792857; KC774254; KR013808; KJ598703; KC774360; KC774199; KC774345; KC774192; KC774187; JX504544; JX429918; JX429917; JX026888; GQ924649; FJ715378; FJ715380; KC774255; JX429915; GQ475321; GQ377584; FJ562232; JX429907; KT284759; JX661490; FJ562330; KC774216; KC774215; AB198080; EU570067; EU939578; GQ377538; JN604140; KR013781; KR013798; EU093910; EU093907; EU093883; EU082432; GQ377533; KX276973; KJ173329; GQ377634; EU916239; EU916241; FJ386635; FJ562287; AY233277

232 Protein sequences are covered at 75 % (genotype A: 28; genotype B: 164; genotype C: 32; unclassified: 8):
JF439941; JF439916; JF439913; JF439922; GQ477502; KC875260; JQ707587; JQ707605; JQ707358; JQ707368; AY373428; KF214666; AB116082; JN182320; JX154582; JX154581; JX154580; JN182324; JN182331; EU054331; KF214665; KF922406; KF476022; KP168429; KF476016; FJ692571; KJ854689; KP168422; GQ377561; EU439020; EU439018; GQ377566; GQ377568; GU434373; EU796066; EU939677; EF473974; EU306707; AF282917; EU306703; GU815578; AY293309; FJ386668; GU815699; GQ377588; DQ448627; FJ386684; KC774391; EU350409; KC510649; JQ341572; GU815731; GU815708; GU815705; GU815704; GU815703; GU815700; GU815698; GU815697; GU815696; GU815695; GU815694; GU815693; GU815692; GU815691; GU815689; GU815688; GU815687; GU815686; GU815685; GU815683; GU815681; GU815679; GU815656; GU815614; GU815613; GU815612; GU815609; GU815606; GU815605; GU815604; GU815603; GU815601; GU815600; GU815599; GU815598; GU815597; GU815596; GU815595; GU815594; GU815593; GU815591; GU815590; GU815589; GU815588; GU815586; GU815585; GU815584; GU815583; GU815579; GQ924631; FJ787444; FJ562321; EU522074; DQ448628; DQ448620; AY167089; KP148328; KC774390; KC774382; KC774381; KC774363; JX661473; KC774379; KC774370; KP406291; KJ803752; KC792807; KC792735; KC510641; JQ801514; JQ801512; JQ341584; JQ341575; JQ341574; JQ341549; JQ040173; KP148357; KU964152; KU964151; KU964150; KU964148; KU964147; KU964145; KU964144; KU964142; KU964140; KU963989; KU963988; KU963985; KU963984; KU963983; KU963982; KU963981; KU963835; KP406327; KP148321; KC793168; KM875421; KJ410490; KJ173417; KJ173416; KJ173340; KJ173339; KU964091; KU964090; KU964089; KU964086; KU964085; KU964084; KU963975; KU963974; KU963973; KU963972; KU963971; KU963969; KU963966; KU963965; KU963964; KU963961; KU963960; KC792981; KU964134; KU964133; KU964132; KU964130; KU964129; KU964128; KU964127; KU964126; KU964125; KU964124; KU964083; KP148335; KM875417; KJ173360; KC793144; KC793062; KC793010; KC792972; KC792731; KC792685; FJ562221; GQ377591; KJ598716; KC774271; KJ173430; KC774202; KC774200; FJ562269; FJ562261; KJ173302; KJ173301; KC774343; FJ715409; KC774194; GQ377583; AF461363; AF461357; AB014367; AB367404; DQ089799; FJ562258; FJ562272; EU916238; KC774313; KR013786; KJ173291; JQ040131; EU082435; FJ562238; EU093911; DQ993692; DQ993691; DQ089798; KU695742; AY123424; FJ562227; EU939565; GQ331048; KM875422; EU919167

298 Protein sequences are covered at 74 % (genotype A: 39; genotype B: 95; genotype C: 125; unclassified: 39):
JQ707318; DQ298165; JQ707585; JQ707586; JQ707590; JQ707592; JQ707608; JF439918; JQ707595; JF439935; JQ707583; KP995108; JQ707601; JF439919; JF439990; KF779211; JQ707561; JN604298; GQ477497; AY034878; JN182328; AB076678; AY903452; JN182327; EU859952; GQ331047; KF922407; KF922414; KF922415; KF922416; KF922417; KF922418; KF922419; KF922420; KF922421; KF476024; AY233287; KX357642; KF170754; GU815617; GU815622; FJ518812; JN827419; FJ562240; FJ562219; GU815709; AB073830; JX661480; GQ377638; GU815607; GU815602; GQ924648; AB073837; KX276801; GU815713; EU882002; AB675676; KJ803808; KJ717820; JN604134; DQ993708; GU815619; GU815587; FJ562222; FJ386680; EF134946; AY518556; AB287329; AB073824; KU963852; KU963842; KP406302; KP406300; KP406299; KP406295; KC774373; KC510657; KC510654; JX429902; JQ412092;

KU963955; KU963948; KC774402; JX661483; KU963987; KU963951; KM392083; KJ173357; KJ173356; KC793053; KC774419; KC774408; KC774406; KC774403; KC774399; KC774374; KC774366; KC510652; JX661481; JN604122; KU964165; KU964163; KU964139; KU964138; KU963979; KP406332; KP148365; KP148361; KJ173388; KJ173387; KJ173362; KJ173361; KP406335; KP406331; KP148581; KP148347; KP148346; KP148344; KP148341; KP148339; KP148336; KJ173390; KJ173389; KJ173355; KC792906; KU964082; KU964080; KJ173423; KJ173422; KC793115; KJ803763; KF053192; KC792912; KC792714; GQ377624; KX276979; KU964171; KT364752; KJ173305; KC774330; KC774300; KC774280; KJ173332; KJ173331; KC774274; JX661491; KU964177; KU964205; KU964203; KU964202; KM229703; KJ410521; KC774351; KC774321; KC774298; KC774282; KC774278; KC774270; KC774218; JX429916; JX125370; JX125366; JX125371; KR013802; KR013793; KC792708; KU964043; KR013774; KJ173316; KJ173293; KC774336; KC774262; KC774261; KC774196; KJ173438; KJ173437; KJ173333; KC774285; KR013819; FJ562310; AB367431; GQ377577; AB670251; AB362932; AB222714; AB670247; AB640730; AB471853; AB471852; AB471851; AB367414; FJ562252; FJ386595; GQ475310; EU554540; AP011098; AB670310; EU939595; JN604215; GQ475354; GQ475344; GQ475337; GQ475331; GQ475324; GQ475323; GQ475320; GQ475319; GQ475315; GQ475313; GQ475312; GQ475311; FJ562230; AB697500; AB670283; AB670239; AB670240; EU306673; EU939543; FJ562307; AB195947; AB195952; AB198081; GQ377580; FJ562280; AB014399; AB014374; EU560438; JX429903; JN604246; KC774279; KC774252; EU086837; DQ922649; FJ562244; DQ922650; KR013864; GQ475350; GQ475332; GQ475329; GQ475328; GQ475317; GQ475305; GQ377597; GQ377546; FJ562235; EU916222; EU093917; EU093908; AB670305; KR013804; FJ562284; FJ386652; GQ377601; AF411408; AF411411; EU796070; EU796072; FJ562251; KU964364; KP148337; KC774414; KC774323; KU963869; KU964317; KU964315; KU964314; KU964313; KU964312; KU964311; KU964310; KU964309; KU964308; KU964307; KU964305; KU964304; KU964303; KU964010; KU964009; KU964008; KU964007; KU964006; KU964005; KC774183; FJ715385; EU939589; KC774307; KC774291; EU916240; KC774193; JQ732168; FJ562314; EU871997; GQ377520; KC774230; FJ715414; FJ715413; FJ715412; GQ377516

243 Protein sequences are covered at 73 % (genotype A: 17; genotype B: 75; genotype C: 138; unclassified: 13):
JQ707589; JF439912; JF439925; AJ344115; JF439842; JF439862; JF439850; JQ023663; JN182330; KF214662; KJ010776; KJ010778; AY233285; FJ692559; KJ854691; KX357647; KX357649; GU815706; GU815701; GU815702; EU306711; AY766463; GU815735; AB195934; AB195935; GU815639; GU815574; GU815577; FJ386636; GU815771; GU815769; GU815768; GU815767; GU815766; GU815765; GU815762; GU815760; GU815759; GU815757; GU815755; GU815754; GU815753; GU815751; GU815750; GU815746; GU815745; GU815744; GU815738; GU815736; GU815728; GU815726; GU815723; GU815715; FJ562254; FJ562246; KC774398; JN604143; EU939663; KC510656; GU815684; KU963854; KP406301; KC774372; JX661471; KU963827; KU963826; KU963825; KU963824; KU963823; KU963822; KU963821; KU963820; KU963819; KU963818; KU963817; KU963814; KP148348; KC793084; KC774416; KJ173398; KJ173397; KU963986; KU963978; KU963977; KU963976; KU963833; KU964103; KP148338; KJ173402; KJ173401; KJ410502; KC792971; KC792902; JX560520; KC792775; KC774191; EF536065; KT284754; KJ598681; KC792792; JQ341658; KU964039; KM999991; KJ410508; KJ173444; KJ173443; KC792961; KC774205; KC774283; KR013832;

KR013830; KR013828; KR013810; KR013807; KP027477; KJ598754; KJ598748; KJ598747; KJ598745; KJ598742; KJ598741; KJ598702; KJ598698; KJ598693; KJ598689; KJ173392; KJ173391; KJ173294; KC774318; KC774206; KC774190; JX429912; JX429906; JX026884; KM875429; FJ518813; FJ386644; AB367403; FJ715352; FJ715365; EU939587; EU939600; KC774299; GQ475348; EU939570; AB367418; JX661489; FJ032346; AB670276; FJ562285; GQ377616; EU939611; KU964193; KU963885; KU963882; KU963877; KU963875; KU963874; KU963871; KJ173284; KJ173283; KC774361; KC774339; KC774247; KC774233; JX661488; JN400089; JN400088; JN400087; GQ377598; GQ377576; GQ377563; FJ562332; FJ386575; DQ536410; AY641558; AB670256; FJ787455; FJ787442; EU075336; EU916223; EU916224; GQ377615; AB195936; AB026811; AB026812; AB026814; AB471848; AB471849; AB471850; EU554539; EU306675; GQ377593; AB367411; KJ173432; KJ173431; KC774244; KC774203; KJ598687; HM750140; HM750134; KR013831; KC774210; JX504536; KC774180; JX026878; FJ562293; EU939604; EU093912; DQ980547; FJ562242; GQ377640; GQ377574; GQ377521; GQ377515; FJ715398; FJ715367; FJ715366; FJ562318; FJ562275; FJ562274; FJ562233; FJ386678; FJ386576; FJ032361; EU916210; EU075335; AY167091; AF458664; V00867; EU939629; KJ410497; HQ700515; KJ717815; KJ803803; HQ700508; FJ562305; AF461361; JN400086; EF494376; KU964351; KR013816; JX661487

183 Protein sequences are covered at 72 % (genotype A: 20; genotype B: 66; genotype C: 87; unclassified: 10):
AF537372; JF439920; JF439917; DQ298162; AB222707; JF439975; AB241115; AY934772; AY161139; AY373429; HM363612; GU563547; KF922409; AB116086; KF476023; JN604163; KJ010777; KM606737; KR905429; KR905427; AB073828; DQ993697; FJ562322; EU439022; DQ993699; GU815752; GU815743; EU306699; AY167101; DQ993710; GU815653; FJ386681; EU595031; FJ386654; JN604311; GU815756; GU815657; GU815626; GQ924607; GQ377612; GQ377519; JX429911; JX429910; GU815608; JQ801516; GU815670; GQ924627; DQ448625; AF121246; AF121245; AF121243; JX661475; JN604124; JN604187; KU963953; KC792944; JQ341578; KP406311; KC792681; KU963980; KP148582; KJ410507; KP406329; KP406328; KP406326; KP406325; KP406324; KP406323; KP406322; KP406321; KP406320; KP406319; KP406318; KP148331; KP148324; KM392084; KJ410516; KJ173366; KC793196; KP406264; KC792985; KC792709; KU964081; KU964079; KU963968; KC792702; GQ259588; KU964213; KU964212; KU964211; KU964210; KU964209; KU964208; KU964207; KU964206; KU964204; KU964201; KR013776; KC774225; KR013795; KC774288; KR013877; KR013875; KF485390; KJ173317; KJ173315; KC774311; KR014012; KR013829; KR013811; KR013768; KR013761; KJ598752; KJ598751; KJ598746; KJ598743; KC792999; KJ803815; KJ803811; KJ717828; KJ717823; GQ924615; JQ412089; KR013817; KJ803761; KJ803759; KF053169; KF053167; KC792927; AB670274; FJ899772; FJ562248; GQ377586; GQ358158; KJ173436; KJ173435; FJ562288; D23684; AB670307; AB670263; FJ562256; KC774357; KC774219; JQ341636; GQ475349; D50518; D50517; AB670288; FJ787443; FJ562243; AB195937; AB195938; AB042284; EU570068; FJ787445; DQ975272; FJ562239; HM750141; KJ173334; FJ562273; EU093896; AB367427; EU916234; EU093915; EU939592; EU939538; EU916233; AB111124; AB111125; AB246344; EU882005; EU871979; GQ377623; HQ700499; HQ700498; AF233236; GQ377614; AB241109; KU695745; KR013806; FJ787480; HF571060; EU939606

202 Protein sequences are covered at 71 % (genotype A: 9; genotype B: 61; genotype C: 98; unclassified: 34):
JN604309; JF439911; JF439821; JF439861; AB116089; FJ692609; KT347087; JN604241; HM535205; EF473973; GQ377582; FJ562296; EU306704; EU939676; FJ562316; EU306678; EU306681; FJ562289; EU522067; GU815734; FJ386634; AB246342; AB010289; AY596110; AY217362; AY167097; AB205120; AB073846; JX504543; GU815581; KC774365; KC774395; FJ386676; EU305548; EF134945; AB073827; KC792687; KC774407; KC774401; KC774400; KC774396; KC774380; JQ341609; KP406294; KP406284; KC774409; JQ341555; KC774367; JQ040125; KC793020; JX661470; JQ341579; KU964168; KU964157; KU964156; KU964143; KP406282; KP406273; KU964149; KP406293; KP406292; KC792809; KU964136; KP406279; KM875416; KJ803764; KF053171; KC793165; KC793082; KC792957; GQ377572; FJ562282; KT364751; KC774204; FJ562323; KR013876; KC774346; KC875262; KR013814; KR013801; KJ173446; KJ173314; KJ173313; KC774354; KC774268; KR013834; KJ598719; KJ598714; KR013833; KT284756; KR013812; KJ173308; KJ173307; KJ173304; KF779242; KC792679; KC774352; KP148560; KP148546; KP148479; EF688062; KP148476; KR013899; KM875406; KC774221; JN604256; JN604182; HM011497; KT347089; FJ715379; FJ386623; AB670279; FJ715359; FJ386661; GQ377631; AF461358; AF461359; AB485810; AB367394; AB367432; KJ173321; JF828937; GQ377529; GQ377540; FJ386671; EU306720; EU306719; AY206384; AB670291; AB670282; KU963884; KU963881; KU963879; KU963876; FJ562279; EU562217; EU562215; AB670292; EU306674; AB111122; EU939619; GQ377571; AB033550; FJ562281; EU916237; FJ386579; AB195953; AB195954; HM750131; FJ562304; KC792672; KC774356; KC774334; KJ173395; EU939655; EU939656; EU086847; EU086843; EU086844; EU086846; EU093914; FJ386577; JQ040166; AY066028; AY247032; KC792713; KC792739; EU086841; GQ377595; EU919166; EU871981; EU871983; EU871986; EU871991; EU871984; EU871985; EU871987; EU871989; EU871992; EU871993; EU871994; EU871995; EU871996; EU871988; JF828935; EU939551; JF828938; JF828934; JF828933; KU964316; AB367393; GQ924618; KU695743; KU695741; KC774344; KU963862; KJ173322; KJ173320; KC774222; JF436922; FJ715384; GQ161753

182 Protein sequences are covered at 70 % (genotype A: 16; genotype B: 55; genotype C: 94; unclassified: 17):
JQ707599; JQ707576; DQ298161; JF439849; HM011485; EF103278; AB194952; JN182334; AB453986; AB453989; JX154579; KF476027; KF476026; KF922429; KF922430; KF476020; AP011089; AY596104; GU815620; GU815621; AY800389; GU815710; GU815707; GQ475340; DQ463799; AB471854; EU939638; FJ562303; FJ386666; D00329; AY217360; JX429901; GU815640; GQ377525; AP011084; FJ562257; AY596109; KP659235; AY596105; KP406303; KP406290; KP406288; JQ341600; KP406297; KJ173403; KC774413; KP406314; KP406312; KP406305; KP406296; KC792754; KC774371; KP036970; KC792750; JQ341573; KU964245; KU963967; KP406334; KP406330; KM213036; KJ173364; KJ173363; KU964154; KP406333; KP148579; KP148345; KP148340; KM875420; KC792913; KP148322; KC793007; EU916225; KC774217; FJ899788; KR013846; KC774253; JX560519; KR013796; KR013792; KJ598744; KJ173282; KJ173281; KC774329; KC774209; JN604147; KJ803813; KJ717826; EF384200; FJ562300; KC315399; KJ173323; FJ715360; GQ372968; FJ032350; AB367407; AY206382; AB014377; AB485808; AB202071; AB205124; GQ358157; FJ787465; FJ787464; AF286594; AB670295; JN604281; JN604131; JF828922; GQ872211; GQ475339; GQ377578; EU306728;

EU306726; AB900115; KU963873; KU963872; KR013850; KC774265; JQ341662; GQ872210; GQ377524; AB670287; FJ562225; FJ715389; AB367397; EU589336; AB670302; AB670270; FJ562306; FJ386597; AB299858; AB426467; AB198076; AB670272; AB026815; AB033553; AB367423; GQ475325; AY206392; JX026880; KR013791; HM750139; AB493844; EU579443; AB113879; EU939607; GQ377621; EU939545; DQ478900; GQ377517; GQ377642; GQ377585; GQ377575; GQ377554; GQ377545; FJ715371; FJ032331; AY641560; AB198082; AB300362; KC792793; D00630; AB014381; KX276968; X04615; GQ377592; HQ700505; HQ700542; JF828936; AB493842; EU916232; FJ562267; FJ386649; EU871990; AB493847; AB033557; FJ715411; KJ173279; FJ787446; FJ715387; FJ386585; AY040627

168 Protein sequences are covered at 69 % (genotype A: 10; genotype B: 42; genotype C: 100; unclassified: 16):
JQ707580; JF439864; JF439868; AB194950; FJ692554; AY233281; KF476018; KR905425; FJ692561; KR905426; M54923; KP341009; AP011085; EF473971; AY220698; EU939666; EU939559; JN792896; DQ463788; AB073848; AB073836; AY033073; JX026881; DQ993709; KC774405; GU815749; AF100309; AY596102; KC774404; KP659237; AF279464; KC793070; KC792827; JX661479; JQ341570; KP659247; KP341011; KX276809; KP406262; KC774375; KC510653; KU964120; KP406272; KP148317; KC792797; KR232337; KC792849; KJ173376; KC793181; KC793027; KU964131; KC793091; AY057947; KR013874; KC875261; KR819180; KM359441; JX504542; KC793050; KR013872; KU964215; KR013765; KJ598710; KC774355; KP784761; KJ598749; KJ598740; KM875405; AB246346; JN827425; KR013905; KC774236; HQ700522; HQ700543; EU939597; FJ715377; EU939657; FJ715343; EU939618; AB014360; AB367422; GQ377557; FJ715342; GQ475316; GQ475327; GQ475334; JN315779; EU939582; KU964078; KU964075; KU964074; KU964073; KU964072; KU964071; KU964070; KU964069; KU964068; KU964067; KU964066; KU964065; KU963880; KU963878; EU554542; EU939567; EU939536; AB014362; AB014394; AB026813; FJ787469; EU939605; AB246345; FJ899771; FJ386659; KU964243; KU964238; KU964236; KJ598726; KJ598720; KJ598662; AB670277; GU357845; KR013780; EU093903; KR013858; KR013794; JQ040165; EU086845; FJ562241; EU717212; EU093898; DQ975273; EU939593; EU093895; JX504539; FJ386598; DQ478885; KU964348; KU964347; KU964346; KU964345; KU964344; KU964342; KU964340; KU964339; KU964338; KU964337; KU964336; KU964334; KU964228; KU964224; KU964223; KJ410505; JQ412091; KC774178; KC774364; HQ684848; GQ377602; GQ377534; AB367400; EU717211; KJ717816; EU939621; GQ377626; GQ377560; FJ386586; KU963883; EU939668; KP274926

202 Protein sequences are covered at 68 % (genotype A: 11; genotype B: 82; genotype C: 100; unclassified: 9):
DQ298163; DQ298164; JF439924; JN604220; JF439949; JN182332; JN604251; AY233282; GQ331046; JQ023661; AB116083; AB033555; GQ358136; EU439023; GU451682; AB246340; AY163869; AY163870; AY217357; AY217358; FJ562236; GQ377622; AY217356; AB713531; FJ386683; GQ358143; AY596103; FJ023634; FJ562237; AB900110; GQ924644; AB246341; KJ803783; KF053189; KP659254; KJ173375; JX504538; EU158263; KP406298; KC792890; KC774377; KC510658; JN604253; KC792930; KC792884; KU964397; KU964395; KU964393; KU964391; KU964388; KU964385; KU964384; KU964383; KU964382; KU964381; KP406280; KM213034; KJ173377; KC792736; KU964258; KU964160; KU964159; KJ173385; KC774376; KC793106; KU964107; KU964104; KU964102; KU964101; KP406278; KP406270; KP406255;

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305 Protein sequences are covered at 67 % (genotype A: 7; genotype B: 71; genotype C: 212; unclassified: 15):
JQ707604; JN604302; GQ477477; AY373432; GQ161813; KT347092; KP234052; KJ803787; AY220704; GU815627; GU815628; GU815629; GU815630; GU815631; GU815636; GU815637; GU815638; GU815641; GU815644; GU815645; JX026886; GQ924637; AB287317; JN792898; JN792897; DQ463800; DQ463792; FJ562224; EU487257; KJ717801; FJ386688; EU939675; EU564826; HM011474; GU815780; D00330; AB205119; AB073850; KC774417; KP659252; KP406286; GQ924634; KJ173404; KC792788; KC774369; KC510647; JQ801494; HM153811; KU964161; KU963946; KJ717818; KC792813; KP406289; KP406281; KC792919; KC774411; KC492739; KU964122; KU964121; KU964119; KU964116; KU964113; KU964112; KU964111; KU964106; KU964105; KU964100; KU964099; KU964097; KU964095; KU964141; KC792934; KP406258; KU963970; KC792909; KC792717; KC793077; KP406269; AB111114; KC774335; HM750136; KC774256; KC774277; KC774296; AY247031; KC774325; KU964018; KU964332; KU964324; KR013799; KJ598768; KJ173328; KJ173327; KC793201; KJ598713; KJ598660; KJ598641; KX276838; KX276984; KU963929; KU963928; KU963927; KU963926; KU963925; KU963924; KU963923; KU963922; KU963921; KU963919; KU963918; KU963917; KU963916; KU963915; KJ598718; KJ598717; KJ598711; KJ598708; KJ598707; KJ598705; KR013771; KP148563; KP148463; KP148534; KP148537; KP148574; KP148573; KP148572; KP148571; KP148570; KP148562; KP148558; KP148555; KP148554; KP148552; KP148549; KP148547; KP148543; KP148540; KP148538; KP148530; KP148529; KP148528; KP148520; KP148519; KP148517; KP148488; KP148482; KP148480; KP148471; KP148468; KP148462; JQ341644; JQ341637; KJ717809; AB074756; AF068756; FJ023647; FJ023649; FJ023657; FJ023658; GQ924604; GQ924629; GU563561; KF214668; KC875273; KU051425; KT987424; KT364721; KP017266; KM999990; KJ717811; KC875271; KC774228; JQ801500; JQ801486; JN827422; KT364718; KT987426; DQ246215; DQ089777; FJ349225; GQ358154; JN827416; AB105173; AF223954; AF223957; AF223961; AP011097; DQ089769; DQ089779; DQ089781; DQ089782; JQ341615; FJ023653; JN827424; GQ377605; FJ023641; FJ023642; KU964242;

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242 Protein sequences are covered at 66 % (genotype A: 7; genotype B: 112; genotype C: 98; unclassified: 25):
AY161138; JF439898; JF439899; JF439896; JF439909; KT347091; AY233275; KP148403; KP148399; KP148394; KP148376; KP341012; KP148397; KP148396; KP148395; KP148392; KP148390; KP148389; KP148388; KP148384; KP148383; KP148379; KP148375; KP148372; KP148370; AB219428; AP011087; GQ924651; GQ924654; AB493835; AP011090; GQ924640; GQ358141; GQ358138; AF121250; AB642094; GU434372; GU815625; FJ386658; DQ463798; JN792899; GU815770; AB493827; AB900108; GU815651; GU815747; GU815748; FJ386610; EU564822; D23679; AY596112; AY217359; AF282918; JN604146; GU815722; FJ032357; FJ023632; EU919171; AB900103; KP659246; KP659240; KP659224; FJ023635; KC510655; JQ341588; FJ349236; KC792742; KP659234; KC792697; KC792666; KP659255; KC792664; JN604284; JN604223; JN604154; JN604125; KU964254; KP341013; KJ173386; KC774412; X97851; KU964096; KP406257; KC793059; KC792996; KC792910; KP406265; KJ803768; KF053174; KU964135; KU963963; KU963962; KU964269; KP406253; KP148314; KP406240; KP406238; KP341007; KP406247; KC792932; KP406243; KP406242; KP406241; KP406235; KP406234; KP406233; KP406232; KP406231; KP406230; KP406229; KP406228; KP406227; KP406226; KP406225; KP406224; KP406223; KP406222; KP406221; KP406220; AB205123; KC774214; KC774213; KC793051; KJ598769; FJ386627; KJ598709; KU964077; KC774301; JX429913; KR013763; KR013762; KU963920; KF053161; KJ803754; GQ924614; JQ801488; KP148525; KP148548; KR013825; KP148561; KP148551; KP148545; KP148514; JN604153; JN827423; DQ089772; DQ089764; DQ089765; AB112471; KX276848; AB112472; KC774284; KU964239; KU964230; KJ598730; KJ598724; KJ803779; KJ173324; KF053176; EU871969; AB493839; GQ377620; FJ715416; AB367396; EU919168; FJ715351; FJ715390; AB670262; KR013851; FJ715381; DQ683578; FJ899777; D50519; KC774289; EU939561; EU306721; EU939550; KC774260; EU554541; EU939588; JF828921; JF828918; JF828920; JF828913; JF828915; JF828917; JF828916; JF828919; EU560440; GQ377562; FJ562265; AB300360; FJ787439; DQ478899; EU871980; EU871998; KJ598664; FJ787458; EU939616; FJ787457; JF436920; KR013852; FJ562255; FJ386611; KR013867; KR013862; KR013769; EU939610; FJ386657; FJ787449; FJ787453; FJ787454; GQ475346; AY306136; EU939654; AB670301; FJ899783; KC315400; AP011102; KC774188; KC774234; HQ700526; KJ173350; FJ715347;

FJ715346; EU939630; HQ700521; AB195940; AB195941; AB493838; GQ358155; GQ358156; KM999993; KU695744; HQ700485; HQ700557; FJ032343; EU589337; FJ715345; AF411409; AY161145; AY161146

148 Protein sequences are covered at 65 % (genotype A: 2; genotype B: 34; genotype C: 104; unclassified: 8):
AB453988; FN545828; EF473972; AB713529; AB219430; DQ993702; EU939672; FJ899785; EU919173; EU919172; EU919176; EU939673; AB073853; JN792900; AY033072; FJ562234; AB900095; KC774397; GU815610; EU796068; JX429897; KJ843165; KP406263; KC793160; KU964158; KC793159; KU964110; KJ173298; KP406276; KC792959; KC792883; KP406261; KU964115; KP406260; KJ803805; KJ717817; AP011107; KC774179; KX276991; KC774281; KU964214; KU964004; KJ598642; KC774319; KR013809; KU964053; KU964052; KU964051; KU964050; KU964049; KR013777; KJ803762; KF053170; KU964220; KU964217; KU964216; KU964054; KU964055; KU964056; KU964057; KU964058; KU964059; KU964060; KU964061; KU964062; KU964063; KP148492; AF223958; KP148532; KP148475; KP148466; KJ173286; KR013900; KP148568; KP148564; KP148535; KP148469; JQ801503; KJ803800; KJ717812; KC875265; KT987425; KT307718; KT307719; KU051426; KU051427; EF494379; FJ023643; FJ023644; AF223955; GQ377536; AB112348; KP148481; KX276847; KU963914; KU963913; KU963912; KU963910; KU963909; KU963908; KU963907; KU963906; KU963905; KU963903; KU963902; KU963901; KU963900; KM875428; KF053185; KX276851; KR013854; FJ386604; AB195943; AB195944; FJ787437; EU939601; EU554535; AB195949; AB367410; KC774290; FJ386679; EU939585; KR013778; JF828929; EU939586; AB042282; AB042283; AF363961; AB195931; JX661497; KR013866; HQ700495; GQ377570; FJ715372; EU939546; FJ787447; AB365451; KU964343; KU964225; KU964227; AP011104; AP011105; AP011108; HQ700523; GU357843; KJ173325; EU939577; KF214656

201 Protein sequences are covered at 64 % (genotype A: 4; genotype B: 83; genotype C: 105; unclassified: 9):
JF439866; JF439907; FN545835; AB116094; KC774418; GQ358150; GQ358151; AB033554; AP011086; EU487256; AB010290; AB073858; EU522072; AY206375; AY596106; FJ899786; GU815643; EU939636; AY206383; FJ386600; GQ377606; AB287319; JQ801524; AB287321; AF121248; AB900107; GU815777; KP406190; KP406212; EU939639; D23678; GU815778; FJ787475; FJ386648; AB900102; DQ993705; KC510646; EU881997; AY167098; GQ924647; AB073857; KC774415; KC774410; GQ924628; EF494380; JQ027315; KJ173341; KC792678; KC792648; AB073832; KP406287; DQ995801; KC792892; KU964266; KU964263; KU964262; KU964261; KU964094; KP406274; KP406268; KJ803820; KJ717836; KU964114; KP406316; KP406315; KP406313; KP406310; KP406309; KP406308; KP406307; KP406306; KP148342; KU964247; KJ173342; KU964146; KP406277; KP406252; KP406246; KM213032; KC793178; KC793069; KC792938; KC792903; KP406236; KP406251; KP406271; KC792978; KC774211; KU964019; AB014385; KU964013; JX125372; KU964014; KT284757; KC774208; KC774207; KC792740; KR013773; KF053183; KJ803776; FJ023645; KP148524; KP148521; KP148513; JQ801515; AB247916; KT364720; KF214676; KC875269; KJ410515; KR013820; KP148526; KU964237; KJ598725; KU051424; KR013826; KR013821; KJ410489; KR013902; JX504537; JQ801501; EU871974; EU871973; FJ715405; FJ715406; FJ715404; DQ089787; JF828923; FJ562228; FJ715368; KC774358; FJ562334; EU871971; AB670260; KR013861; AB697510;

AB670298; EU939614; KR013853; HM750137; DQ377165; FJ562324; FJ899778; JF828925; AB367399; FJ032334; EU939564; EU439015; AB111121; KR013849; EU872001; EU872003; EU872004; EU872002; AB670264; AB049610; AB033552; AB033556; EU939544; AB113878; DQ089789; KJ598666; KJ598678; KJ598665; FJ562340; EU670263; GQ377608; FJ386603; FJ715395; D23681; GQ377618; FJ715422; FJ715392; FJ386625; FJ899761; KU964020; KU964021; KU964022; KU964023; KU964024; KU964025; KU964026; KU964027; KU964028; KU964029; KU964030; KU964031; KU964032; KU964033; AB105174; KF779327; KF214652; HQ700528; KC774212; KF053160; KJ803753; AY206374; HQ700462; KR013843; AB300369; AB194949

103 Protein sequences are covered at 63 % (genotype A: 2; genotype B: 23; genotype C: 67; unclassified: 11):
AB246336; KU605533; GQ358137; FJ899784; DQ463802; DQ463790; FJ023638; GQ358140; GQ358142; AP011088; FJ032358; AB073842; KC792948; JQ341576; KJ173297; JQ801506; JX504533; KU964109; KU964108; KP406304; KU963816; KU964166; KP406237; KJ173379; KC793104; AP011106; KJ410510; EU939571; KU964330; KU964331; KU964328; KU964322; KU964321; KU964320; KU964319; KU964318; KR013766; LC090200; KJ598712; KP148483; KP148491; GQ184326; EU306688; EU306685; EU306687; EU306690; EU306694; KP148474; KP148566; KP148559; KP148557; JQ341642; KP148531; JX507214; KP148523; JQ801518; JQ801470; JQ801520; GQ924612; GQ924613; AF473543; FJ023654; JN827417; FJ023650; AB112066; KU963904; JF899336; EU871970; DQ890381; AB241111; KR013868; AB300368; FJ715391; FJ715418; GQ377526; AB195942; FJ715421; FJ032340; DQ536412; FJ032341; EU939651; FJ032345; FJ899767; EU939594; FJ787479; AB195932; JX504534; AB900099; FJ715357; KU964329; FJ386653; KX276981; KC793112; FJ562294; KU964306; KF053188; KJ803782; KJ717832; GQ377604; FR714496; KJ410506; JX661485; FR714490

153 Protein sequences are covered at 62 % (genotype A: 13; genotype B: 73; genotype C: 54; unclassified: 13):
JF439729; JF439738; JF439901; JF439902; JF439903; JF439904; JF439905; JF439908; AB076679; JN604193; AY934764; KU605534; AY233290; EU882003; AY800391; AY800392; AP011095; KP148382; KP148378; KP148374; KP148451; KP148369; JQ429082; KP148371; AP011096; D00331; GQ358145; GQ358146; AP011091; AP011092; AY206390; FJ032349; EU158262; EU919175; AB300371; AB287327; AB205122; DQ463801; JN792893; DQ463793; AB287314; AB287315; DQ463794; EU305547; KJ803797; KJ717808; FJ562312; AB900104; GU815783; GU815776; GU815773; AB010291; KC774362; EU939667; KC774368; EU939669; KU964253; KU964244; KU964292; KC792851; KC792931; KJ803821; KJ717837; KU964301; KU964299; KU964298; KU964297; KU964296; KU964295; KU964294; KU964293; KU964290; KU964289; KU964288; KU964287; KU964093; KJ803756; KJ717842; KF053163; KJ173372; KC792789; KU234318; KP406275; KC792719; KC792855; EU939633; KU964016; KU964011; KU964017; KC774306; KU964012; FJ899765; KR013764; GQ924650; KJ803792; KP148489; KP148465; KP148464; KP148315; JQ801523; JQ801504; DQ089778; JN827418; KJ410492; KJ410499; GQ924636; KJ173285; DQ089786; GQ924616; KJ717791; KJ410495; JN604286; KJ410504; KC875270; KM875424; KJ717822; KJ803810; KJ717821; KJ803809; FJ787467; KR013870; EU939647; FJ715344; KU964064; EU919169; D50520; AY641559; FJ562315; AB670278; EU579442; AB033551; KC792853; FJ899769; KC774245; HQ700556; EU796069;

AB675674; AB675675; KX276959; FJ386612; HQ700531; KJ803785; AB367419; EF494378; AB493840; AB493837; AP011103; EU522070; JQ040142; HQ700547; AB933279; AB933280; AB933281

74 Protein sequences are covered at 61 % (genotype A: 1; genotype B: 25; genotype C: 43; unclassified: 5):
JF439900; DQ463787; GU815635; AY217355; AB900106; GU815779; AB073839; DQ463796; AB287322; EF473977; JN604138; KC510650; AB287326; KP406179; KP406182; KC792980; KC792887; KU964256; KU964255; KU964248; KU964302; JQ341589; KJ803816; KJ717829; KP406266; KP406239; EU075315; KJ598715; AB117758; EU305540; KP148567; KJ803812; KJ717825; JN604121; KT364719; KR013855; KP148473; JQ801490; AB300363; DQ089788; GQ924609; AB205125; JQ341616; KJ598731; KU964229; KR013837; JX870000; KR013856; KR013840; KR013770; KP148477; KP148472; JQ801495; JQ801475; FJ562299; AB113875; AB113876; KR014077; KR014082; AB367395; AB931171; AF533983; EU939572; FJ787471; EU939542; AB111120; AY206381; FJ386631; GQ475351; EU939631; KU695746; AB195951; AB195950; KP148586

144 Protein sequences are covered at 60 % (genotype A: 9; genotype B: 79; genotype C: 46; unclassified: 10):
JF439726; JF439897; JF439747; JF439721; JF439735; JF439736; JF439737; AB194951; HM363613; GQ358147; KP148398; KP148387; KP148373; KP148401; KP148386; KP148385; KP148368; GQ358149; GQ358152; GU815642; AY220703; AB287323; AB555498; AB073835; DQ993680; DQ993683; DQ993685; DQ993681; AB219427; AB931169; FJ562253; AB073855; KP659238; AB900111; AB205121; AB073852; AB073845; AB031267; EU939678; KP659223; JX504531; GU815782; GU815781; GU815775; GU815772; AB302944; AB302943; AB302942; KJ803784; KF053190; FJ899779; KC793073; KC792660; KP406187; KP406199; KP406186; KP406189; KP406191; KP406192; KP406193; KP406196; KP406197; KP406198; KP406201; KP406202; KP406203; KP406204; KP406205; KP406206; KP406207; KP406208; KP406209; KP406210; KP406211; KP406213; KP406214; KP406215; KP406218; KP406219; KC792860; KU964270; KU964268; KU964264; KU964259; KU964257; KU964260; KC792915; KU964118; KU964015; KC793119; FJ032356; KF214655; KU964325; KR014010; KC793129; KC774267; KR013823; KP148512; KC875274; KF053181; KJ803774; DQ089763; JN604243; KC875264; KJ410493; AF182803; AF182802; EU939579; JN827414; JN827415; AB241110; AP011099; AP011100; AP011101; EU410080; EU410081; KM999992; KR013860; KM875423; KT284758; FJ787470; FJ899770; KR013844; AB195930; EU522068; FJ787448; HQ700569; EU570073; EU570074; FJ787452; FJ899789; FJ715397; EU939653; AB367402; EU882006; KF053179; KJ803772; HQ684849; KP148352; EU939547; FJ562328; FJ562226; HQ700532; EU833890

55 Protein sequences are covered at 59 % (genotype B: 21; genotype C: 30; unclassified: 4):
KP148377; KJ717806; KJ803795; AB246343; KJ717843; KJ803825; GQ924638; GQ924630; EU881998; GQ924624; AB231909; AB100695; AB010292; AB365445; AJ627225; KX276784; KJ173378; KC793023; KC792901; KU964271; KU964267; KJ173335; KR013767; DQ089790; KR014021; KJ410514; GQ924643; KR013841; KJ717839; KJ803823; KR013836; KU963911; KR013824; KF214667; D23682; D23683; EU939596; AB367401; KJ717833; KR014083;

AF241410; GQ924622; FJ899773; GU721029; EU872000; EU939609; X75665; HQ700490; KR013869; FJ386589; AB367435; FJ349241; HQ700520; KC774431; AB367800

106 Protein sequences are covered at 58 % (genotype A: 8; genotype B: 54; genotype C: 37; genotype G: 1; unclassified: 6):
JF439722; JF439720; JF439743; JF439730; JF439746; JF439748; JF439910; FN545829; AB713528; KP148439; KP148432; KP148424; KP148418; KP148367; FJ899787; FJ562259; JN792901; EU939674; FJ899790; FJ899791; GQ924656; AP011093; JN792894; FJ023631; AB219426; AB073844; EU330996; EU330997; AY206391; GU815774; GQ924646; AY167093; AB713527; JQ707739; GQ924625; JQ707762; JQ707755; KP148429; KP148423; KP148410; AB302945; KP659239; KC793043; JQ707740; KU964394; KU964249; KP659244; KP148415; KP148413; KP148409; KP148405; KJ173384; KP406188; KP406195; KP406200; KP406217; KC793092; KC793045; KP406267; X97850; KM213035; KC792969; KC875272; KC774189; KF053193; KF053177; KJ803770; KJ717844; KJ803826; DQ478901; AB031262; DQ089783; AF223960; GQ924655; DQ089771; KJ410518; KF214673; JQ801481; KJ410496; JQ801498; FJ715415; AY220699; KX276963; KR013859; EU093900; EU939539; KR013848; AB014396; GQ924642; KC792831; KC793108; HQ700502; HQ700545; JN604222; HQ700564; HQ700573; HQ700565; HQ700577; AF458665; FR714503; KT003704; EU881995; FJ562317; KJ803804; KJ586810; FJ023662

38 Protein sequences are covered at 57 % (genotype A: 3; genotype B: 18; genotype C: 12; unclassified: 5):
JF439739; JF439731; AB116092; AB073856; AB117759; DQ993686; GU357842; EU939671; FJ023636; EU939661; KU964252; KU964250; KP148425; KP406176; KP406180; KP148437; KC793124; KU964300; KU964265; KJ717796; KC793197; FJ386620; KR014011; AB014378; KF053187; KJ803780; KR013822; KR013838; KJ410491; EU871972; AB014392; HQ700516; EF536066; JX036332; KC774324; EU939623; HQ700518; KC172106

59 Protein sequences are covered at 56 % (genotype A: 2; genotype B: 32; genotype C: 18; unclassified: 7):
JF439906; JF439724; KX276970; DQ463795; AB073838; AY220697; DQ904357; GQ358144; AB073847; KC792671; AB900096; AB287320; EU589335; JX026879; EU330989; EU330990; EU330995; AB931168; EU882004; AB073841; AB368295; JX026883; KJ803789; KJ717795; KU964291; KJ803758; KF053165; KJ803773; KJ803755; KF053180; KF053162; KJ803775; KF053182; JQ341560; KC774269; JX026877; JQ801493; EU306691; EU306689; JX504535; JQ801482; EU305541; KR013835; KJ410494; KF214670; KR013871; DQ377164; EU570072; KR013842; AB670253; HQ700570; AB111946; AB270535; KJ717800; KJ803791; JF436923; X75656; JQ801476; EF464099

65 Protein sequences are covered at 55 % (genotype B: 19; genotype C: 7; unclassified: 39):
JN604141; KP148458; KP148455; KP148456; KP148461; KP148452; JN604123; AB362933; KP659219; KP148411; KP148435; KJ803796; KJ717807; KJ173371; KP406171; KP406163; KC792918; KP406173; KP406167; AB367392; KP148575; FJ899774; JQ341632; AB931170; FJ787441; HQ700563; HM750143; KX660686; KC774456; HM750144; KC774453; HM750149; HM750142; HM750146; HM750148; KC774482; KP276253; KP276256; KC774430; KC774468;

JF491455; AY862866; DQ478887; DQ478889; DQ478897; JF491449; JX429898; KC774424; KC774432; KC774433; KC774434; KC774439; KC774472; KX660675; KU519422; KP276254; KC774497; KC774493; KC774488; KC774463; KX660680; KX660674; KC774476; KC774454; FJ023670

67 Protein sequences are covered at 54 % (genotype A: 1; genotype B: 43; genotype C: 14; unclassified: 9):
JF439742; KP148420; KP148391; KP148380; JQ707734; JQ707735; JQ707737; JQ707738; JQ707742; JQ707743; JQ707744; JQ707745; JQ707746; JQ707749; JQ707750; JQ707753; JQ707758; JQ707759; JQ707763; JQ707765; JQ707766; FJ032342; EU939635; D50522; AB287325; AB287318; GQ924639; AY167100; FJ386608; DQ993682; GQ358139; FJ386669; JQ801474; AB212625; KU964246; KJ803781; KJ173383; KF053194; KP148430; KJ717798; KC793078; X98077; KC792820; KC792733; KR013827; JX036327; X52939; KF214671; KF053173; KJ803766; KR013839; KR014078; JN604226; EU093902; KC774353; KF053184; KJ803777; AB900113; KF053186; KJ803778; KX660689; KC774428; KC774425; DQ478892; JX036328; EU835240; AY862864

32 Protein sequences are covered at 53 % (genotype B: 17; genotype C: 2; unclassified: 13):
GQ924645; DQ995804; AB106884; DQ995802; AY206373; DQ993684; DQ463791; JN604212; KP406185; KP406184; KP406183; KP406181; KP406178; KP406177; KC792881; KP406172; JQ429081; AB112065; FJ787466; JQ801477; KF873521; KX660684; KC774423; KC774471; KC774478; KC774480; JX036329; JX036358; FJ562229; FJ023665; FJ023668; FJ023673

59 Protein sequences are covered at 52 % (genotype B: 10; genotype C: 13; unclassified: 36):
GQ924617; GQ358148; JQ707747; JQ707764; EU939637; GQ377644; KC793163; KC793086; KC793182; KC793156; KX276993; JX036326; KC875267; DQ089773; KJ803818; GQ358153; D28880; S75184; AB106895; AB367416; AB367803; KX276992; KC792656; KF873524; AY817513; HM750145; AY817509; KT991423; KC774485; AY817511; HM750147; HM750150; KC774487; KC774498; KC774492; KC774494; AY862865; KC774470; JF491456; KC774489; KC774484; DQ478898; KC774495; KC774474; KC774420; KC774466; KU519423; AY800249; EU787434; KC774422; KC774426; KC774457; KC774475; KC774499; JF436919; KF917451; KP148441; FJ882612; FJ882618

16 Protein sequences are covered at 51 % (genotype A: 1; genotype B: 8; genotype C: 3; unclassified: 4):
FN545833; KF053191; KJ803786; EU939670; AB287316; EU579441; KP148416; KP148414; KP148438; KF873526; DQ089803; AB014363; KF873527; JX504540; KF053166; KJ803827

44 Protein sequences are covered at 50 % (genotype A: 2; genotype B: 18; genotype C: 9; unclassified: 15):
JF439744; JF439734; AP011094; AB493833; GQ924621; AB642101; AB555499; JF436921; GQ924641; EF494381; FJ787477; AF121251; EU330998; EU330999; EU331000; EU331001; JX504532; JN604149; KC792916; KJ790200; AY206376; AY206379; KF053168; KJ803760; KF053164; KJ803757; FJ032338; FJ032339; AB112063; KF873517; KU679946; AY057948;

AY817512; KX660677; KC774490; KC774435; KC774443; KC774455; KP276255; KC774483; KC774447; KC774452; KC774481; EU833891

9 Protein sequences are covered at 49 % (genotype B: 6; unclassified: 3):
EU330994; AB241117; AB219429; KP148419; KP148427; KP148440; FJ386674; DQ478886; EF103284

26 Protein sequences are covered at 48 % (genotype B: 10; unclassified: 16):
KP148459; JQ707767; AB073851; AB014366; D50521; KX276996; KP148426; KP148406; KC793150; KC792728; KF873511; JF491448; KC774479; KT991417; KC774458; KC774442; AY817515; KC774486; KC774448; JF491451; KP148450; KP148442; FJ023667; AF297619; KC012653; EU185780

39 Protein sequences are covered at 47 % (genotype B: 6; genotype C: 2; genotype G: 26; unclassified: 5):
KJ717840; KJ803824; EF473976; KP148457; KC792998; KC792943; JQ801491; FJ032336; DQ207798; JQ707436; AB056515; AF160501; AB064312; AB064311; AB056513; AB064313; AB375165; AB375166; AB375167; AB375168; AB375169; AB375170; AF405706; EF634480; GU563556; HE981174; HE981175; HE981176; KF767450; KF779233; KF779235; KF779267; KJ194508; KX264500; KT991419; FJ562263; KC774461; EU787435; JQ272886

19 Protein sequences are covered at 46 % (genotype B: 2; genotype C: 3; unclassified: 14):
KP148433; KP148407; KF873541; FJ386601; EU939659; KF873533; KF873532; KU679939; KF873543; KF873542; KF873538; KU679942; JX036359; AY817510; KT991420; AB674504; KJ586803; AY236161; JQ272887

9 Protein sequences are covered at 45 % (genotype B: 2; genotype C: 2; genotype D: 1; genotype G: 4):
EU570075; KX276828; KJ410511; AB074047; AB674420; JQ707678; JQ707677; JQ707679; KR230749

13 Protein sequences are covered at 44 % (genotype B: 1; genotype C: 3; genotype G: 6; unclassified: 3):
AB302095; KX276980; KJ717799; KJ803790; JF439781; JF439782; JF439786; JF439791; JN604208; AB064310; FJ882610; FJ882614; FJ882613

7 Protein sequences are covered at 43 % (genotype B: 1; genotype G: 4; unclassified: 2):
KX276962; KF767451; EF464097; GU565217; KF414679; KJ803822; EF103283

7 Protein sequences are covered at 42 % (genotype C: 1; genotype D: 1; genotype G: 4; unclassified: 1):
JQ801472; X65258; KF779357; JF439784; JF439779; JF439789; KF873534

20 Protein sequences are covered at 41 % (genotype B: 1; genotype D: 1; genotype E: 2; genotype G: 13; unclassified: 3):
KC792712; AB188244; AB274970; KF849715; EF464098; JF439787; JQ707671; JQ707657; JQ707660; JQ707666; JQ707668; JQ707673; JQ707680; JF439792; JF439793; JF439780; JF439785; HE981179; KT991427; KT991424

7 Protein sequences are covered at 39 % (genotype D: 4; genotype G: 1; unclassified: 2):
KF053178; JN642159; AB090268; AB120308; JF439788; FJ904441; KJ803771

6 Protein sequences are covered at 38 % (genotype B: 1; genotype E: 3; unclassified: 2):
FJ032344; HM363590; HM363588; HM363589; EU939620; KC774449

8 Protein sequences are covered at 37 % (genotype C: 1; genotype D: 2; genotype E: 3; unclassified: 2):
KU679947; JN370954; KJ647353; KF170785; GQ161773; GQ161802; DQ478890; AF297620

13 Protein sequences are covered at 36 % (genotype C: 1; genotype D: 1; genotype E: 8; unclassified: 3):
KF873516; KM108593; AB274977; EU239223; EU239218; GQ161816; AB915177; AM494707; FJ349226; HM363597; JN664935; FN594771; GQ161754

19 Protein sequences are covered at 35 % (genotype D: 10; genotype E: 5; unclassified: 4):
AB119251; AB119252; AB119253; JN664918; JX090689; EU787443; JX090619; JN664922; AJ627215; AJ627218; AM494705; AB201288; EU239219; HM363566; HM363580; X68292; AB330368; JN642160; FJ904400

8 Protein sequences are covered at 34 % (genotype D: 3; genotype E: 3; unclassified: 2):
GU456657; KF471642; KM577669; KF849721; HM363581; HM363579; JX036330; KP288875

25 Protein sequences are covered at 33 % (genotype D: 5; genotype E: 2; genotype G: 16; unclassified: 2):
JN664932; JX090688; JN642153; JX090670; EU594422; AB274980; AB091256; JF439803; JF439804; JF439805; JF439806; JF439807; JF439808; JF439809; JF439810; JF439811; JF439812; JF439813; JF439814; JF439815; JF439816; JF439817; JF439818; GU177079; KX357641

320 Protein sequences are covered at 32 % (genotype D: 210; genotype E: 78; unclassified: 32):
AB078032; AB078031; AB078033; AB267090; AB109478; KF471655; JN642144; AB109476; AB109477; AB109479; AB110075; AB119254; AB205126; AB210821; AB210822; AB471856; AB471857; AB109475; AF043594; KX357639; KM524341; JN040767; JF754612; GU456659; AB674405; JN664930; JN040799; FJ349218; JQ707517; JQ707515; JQ707513; JF754609; GU456655; EU594401; KP165604; KM524354; JX090656; JN040765; HQ700458; GU456658; GQ183476; KC875292; KC875290; JX090682; JN792905; KT962022; KP202944; KP202942; KP202941; KP184498; KP184497; KP184496; KP184495; KM524355; JX096958; JQ707530;

JQ707528; JQ707527; JQ707526; JQ707525; JQ707524; JQ707523; JQ707522; JQ707521; JQ707520; JQ707519; JQ707518; JQ707516; JQ707514; JQ707512; JQ707493; JQ707486; JQ707483; JN688679; JN040802; GQ477453; GQ183474; GQ183473; GQ183471; EU594432; EU594431; EU594429; EU594417; EU594416; EU594400; KX827290; KU668433; KT962024; KT962023; KT962021; KP202943; KP202940; KP202939; KP202938; KP202937; KP184499; KM524351; KM524346; KF679997; KC875305; JX090673; JX090663; JN688708; JN688683; JN604174; HQ700513; GQ183483; GQ183482; GQ183477; KX357637; KC875324; KC875308; KC875306; KC875294; KC875293; JX090686; JX090685; JX090617; JN792911; Z35716; KX827301; KR905424; KP230541; KP202945; KP165605; KP165602; KP165601; KP165598; KP143745; KM524353; KM524352; KF679996; KF170766; KC875332; KC875312; KC875309; KC875297; JX090717; JX090711; JX090678; JX090675; JQ707497; JF754593; GQ477452; GQ183475; FJ904426; FJ692532; EU594428; EU594427; EU594424; EU594421; EU594415; EU594414; EU594413; EU594407; EU594403; KP165603; KP165600; KM524344; KM108605; JX096954; JX090716; JX090702; JX090694; JN792908; JN664936; JN040781; HQ700514; FJ904439; EU594433; EU594426; X97849; X72702; KX357638; KU736925; KR905423; KP322601; KF679995; JX096957; JX090718; JX090713; JX090699; JX090696; JX090679; JN604295; HQ700512; HQ700510; FJ349208; FJ349205; EU594430; EU594418; EU594399; KT962025; KP143744; JX096956; EU594423; EU594420; EU594419; X97848; JN792910; JN792909; JN792907; JN792904; JN792903; AY796031; AM422939; AY233296; EU414139; AB330369; AB330370; AB106564; AB201287; HM363610; AB205129; AB205192; FJ349239; AY739675; AB194947; AY739674; GQ161759; GQ161778; GQ161790; GQ161799; GQ161805; GQ161818; GQ161782; GQ161792; GQ161812; GQ161814; GQ161811; HM363601; GQ161815; GQ161807; GQ161770; GQ161761; AB274969; AB274971; DQ060830; GQ161819; GQ161808; GQ161804; GQ161800; GQ161798; GQ161794; GQ161793; GQ161791; GQ161789; GQ161787; GQ161786; GQ161784; GQ161781; GQ161780; GQ161779; GQ161777; GQ161776; GQ161772; GQ161771; GQ161769; GQ161765; GQ161763; EU239217; AB205191; AB205189; HM363604; FJ349237; FJ349238; AB274976; HQ700552; HQ700550; HM363594; GQ161821; HM363591; KX186584; KU736896; KU736895; KU736894; HM363592; HM363587; HM363582; HM363575; HM363574; HM363568; GQ161833; GQ161832; GQ161830; GQ161829; GQ161828; GQ161827; FJ904405; KX357630; KX357626; AB270538; JN642141; JN642127; HQ700525; HQ700524; AB033559; KX357628; KM577664; HQ700584; HQ700583; HQ700581; HQ700541; HQ700533; HQ700503; HQ700501; HQ700497; FJ904407; KR905422; JN688717; KU736923; KU736922; KU736921; KP322604; KP168418; KP168417; KM577663; AY233293; JQ687532; EU594406

73 Protein sequences are covered at 31 % (genotype D: 29; genotype E: 32; unclassified: 12):
AB555500; EF103276; AB188242; AB104710; JN604259; GQ205389; GU456666; JN642146; JX090624; GU456664; KC875328; KC875323; KC875322; KC875289; JQ707529; GQ477456; EU594402; KC875329; KC875296; KC875288; FJ904410; KC875310; JN040774; KC875299; JX090676; KP168419; AY233292; AB210820; AB188241; DQ060824; FN594763; GQ161755; GQ161835; KU736899; AB201289; AB201290; DQ060823; DQ060825; DQ060826; DQ060827; DQ060828; DQ060829; HM363565; FN545841; AB274981; KF849724; KF849716; KF849713; HM363595; KU736898; KU736897; KT192626; KR139749; KF922439; KF922438;

KF849722; KF849719; KF849714; KF170741; HM363606; HM363573; KC774450; DQ315779; FJ904440; AY341335; KU736916; JN642139; KF471643; FJ904409; FJ904404; FJ904408; X80925; KM606750

94 Protein sequences are covered at 30 % (genotype D: 49; genotype E: 36; unclassified: 9):
DQ399006; JN642154; AB119255; AB090270; KM108596; JN642163; JF754629; GU456673; JN642143; GU456656; HQ833465; GU456649; GQ183479; JN792906; JN664919; JQ707480; JN642142; JN040819; KF471647; KM577671; JQ707508; JQ707507; JQ707505; JQ707503; JQ707502; JQ707500; JQ707499; JQ707496; JQ707494; JQ707490; JQ707489; JQ707488; JQ707487; JQ707485; JQ707482; JQ707481; JQ707479; JQ707478; JQ707476; KM606745; JN257163; KF679998; JX090683; GQ477457; KF779220; JN040827; GQ183472; AY233294; AB205127; FN594750; EU239222; AM494713; AM494704; AB274974; AM494690; AM494693; AM494701; AM494702; AM494708; AM494709; AM494715; AM494717; KM108623; KF849723; AB194948; KF849717; AM494710; X75657; KU736901; KU736893; KU736910; KU736908; KU736907; KU736906; KU736905; KU736904; KU736903; KU736902; KU736900; KU736891; KF170789; KF170788; HM363571; HM363570; HM363569; FJ904403; FJ904444; HQ700500; AB188245; JN642152; HQ700540; FJ904417; FJ904416; AB048703

43 Protein sequences are covered at 29 % (genotype C: 1; genotype D: 24; genotype E: 11; unclassified: 7):
AB115417; KM108595; JN040753; KM108592; KC875340; AB555501; GU456674; KJ470894; JN642132; JF754619; KM524358; KF779376; KF779341; JX090672; GU456680; JX310729; KU668449; KM524361; JN664938; JN664921; EU594404; JN664927; EU594405; JX090625; DQ464182; EU239224; AM494700; AM494696; AB274982; KF170784; GQ161801; AB091255; EU239226; HM363586; HM363577; HM363576; GQ205379; JN664934; KX827299; KJ647349; KM359442; KM524357; FJ904406

368 Protein sequences are covered at 28 % (genotype C: 1; genotype D: 331; genotype E: 7; unclassified: 29):
EU498227; AB270550; AB674406; AY090453; JX090712; JN642158; JF754626; AB555497; AB126581; AB104711; JX090610; AB222711; AB246347; AY721607; EU414136; AB104712; AF121240; AF121241; AJ627224; HQ700444; GU456684; GU456654; AY945307; AY796032; AJ627223; AB674427; AB674407; JX090677; GU456639; FJ349219; AB270547; AB270539; AB104709; AB222713; AY661792; AY661793; AY721605; AY721606; AY721608; AY721612; AY796030; AB246348; KJ470893; KF679990; KC875342; JN664941; JN604275; GU456675; GQ922000; EF103275; AY161158; AY161157; AB583680; X80926; X80924; JN040791; FJ349235; KF476029; KC875316; KC875285; KC875279; JN642161; JN642151; JN642135; JF754603; JF754602; GQ922003; GQ205380; JN370953; JN370952; JN370951; JN370950; JN370949; KX357622; KU668435; KR139748; KF679989; KC875331; KC875315; JX090720; JX090708; JX090667; JN688712; JN604265; JN604263; JN040814; HQ700474; GU456668; GU456667; EU787442; KM212957; KC875301; KC875295; JX090700; JQ687531; JN642136; JN040761; JN040759; JF754628; FJ349233; EU787440; EU787437; X02496; KU668444; KU668441; KT963508; KT347090; KM108607; KM108606; KM108591; KF584161; KF476028; KF170764; KF170759; KF170757; KC875335; KC875334; KC875330; KC875321; KC875314; KC875313; KC875283; JX090621; JN664917; JN642148; JN642129; JN604278; JN040813;

JN040796; JN040785; JN040783; JF754594; HQ700466; HQ700453; HM750155; GQ477459; FJ904432; FJ386590; FJ349229; EU787447; EU787446; EU594409; KX276999; KP090181; KF922432; KF779209; KF679994; KF471658; KF170747; KC875336; KC875286; JX310728; JX090705; JX090704; JX090687; JX090684; JX090665; JX090645; JX090643; JX090642; JX090638; JX090632; JX090631; JX090630; JX090626; JN664910; JN257181; JN257151; JN040792; JF754618; HQ833470; HQ700478; HM750154; GU456681; GU456670; GU456660; GU456641; FJ904427; FJ349232; FJ349220; EU414143; KP090180; KM524339; JX090657; JX090612; JX090608; HQ236014; HM750151; GQ183485; EU594382; Y07587; KX827300; KP322600; KP322599; KM606753; KM606752; KM524347; KM524342; KM108600; KF471652; KF471651; KF170765; KF170758; KC875319; KC875317; KC875300; KC875280; KC875278; JX090668; JX090660; JX090655; JX090654; JX090653; JX090652; JX090651; JX090650; JX090649; JX090627; JN642167; JN642156; JN642147; JN642130; JN604206; JN257199; JN257193; JN257185; JN257182; JN257179; JN257171; JN257155; JN040829; JN040826; JN040807; JN040805; JN040794; JN040757; JF754627; JF754624; JF754607; JF754604; JF754600; JF754596; JF754595; JF754592; JF754591; JF754590; HQ700488; HQ700484; HQ700482; HQ700479; HQ700471; HQ700470; HQ700469; HQ700464; HQ700459; HQ700451; HQ700450; HQ700447; HQ700443; HQ700442; HQ700441; HQ700440; HM750156; HM750152; GU456663; GU456651; GU456648; GU456646; GU456638; GQ377589; GQ183470; FJ904443; FJ904435; FJ904424; FJ904421; FJ904420; FJ904415; FJ904412; FJ904399; FJ349230; FJ349228; EU787436; EU594410; EU594397; EU594396; X65257; V01460; KU668446; KU668445; KU668442; KU668439; KU668438; KU668437; KU668434; KR139747; KP322602; KM606754; KM606744; KM577668; KM519455; KF779292; KF779214; KF679993; KF679992; KF170763; KF170746; JX090710; JX090709; JX090674; JX090666; JX090662; JX090661; JX090639; JX090628; JX090620; JN664914; JN664911; JN664909; HQ700511; GQ922002; GQ922001; GQ183478; FJ692533; FJ692507; FJ692506; FJ349209; JQ687530; DQ464170; AJ627222; AB493846; AY233291; DQ315776; AY738145; AY738146; AY738144; AM494695; DQ060822; HM363609; JQ000009; JF440017; KU668440; KX357627; AY373430; X65259; FJ904414; KJ586811; KJ470897; JN257164; KX357635; KX357633; KX357623; KJ470891; KJ470890; KJ470888; KJ470886; KJ470884; KF170740; EU594435; AY233295; AB210819; KP168416; KM577667; GQ183486; FJ692536; DQ111987; AJ627217; AJ344117; AB583679

127 Protein sequences are covered at 27 % (genotype D: 73; genotype E: 26; unclassified: 28):
KF779228; KF779229; AB116266; AB555496; AY161150; AB674411; GQ205385; GQ205388; KM524345; KP322603; GQ205384; GQ205382; JF754633; GU456661; FJ899792; EU939681; KX276998; GU456679; KJ843187; KF471654; KF170771; KU668448; GU456635; JX036334; JN040830; JN040795; JN040770; KF170770; JX898689; JX090719; JX090701; JN604170; EU787441; KP090178; KP090177; JX090633; KF170776; KC875325; KC875320; KC875284; KC875281; KC875277; JX090681; JX036333; JN257169; JN040797; FJ349231; KU668447; KU668436; KP202936; KF779224; JX898697; JX898694; JX898692; JX898691; JX090659; JN688713; JN604313; JN604272; HQ833468; KM524349; KC875302; KC875311; KC875291; JN040778; GU456640; JF754597; EU594398; KP165599; GQ924652; EU594408; AB205128; DQ464173; AB274973; FN594762; AY738147; GQ161768; GQ161762; GQ161817; GQ161797; HM363567; GQ161783; GQ161764; AB274975; EU239221; HM363603;

GQ161785; KM108622; HM363611; HM363584; GQ161757; AB274978; HM363596; HM363583; HM363605; HM363593; HM363578; GQ161824; GQ161822; KF779353; KU736914; KX357631; GQ205377; GQ205378; GQ205386; KC875338; JN664925; JN664940; AM494716; FJ904396; AB674432; GQ205387; JX898693; JX898686; JX898696; JX898695; FJ904394; AB674436; U95551; JX898699; JX898690; JX898688; JX898687; JN664943; KX357625; KM606751; KM577665

108 Protein sequences are covered at 26 % (genotype D: 73; genotype E: 9; genotype F: 2; genotype H: 10; unclassified: 14):
JX310734; AB674425; AB674424; KF170768; JF754631; AY741798; AF151735; JN642149; JX096955; AY741794; AY741795; AB270548; AB270543; AY741797; AF121239; KX827291; GU456653; JN642157; JN257148; JN040823; GU456682; KP165597; KP143743; KP143742; KC875276; JN642134; KF192834; KF192832; KF192831; KF192830; JX090703; JX090606; JN040815; JX090721; JN792912; JN040818; JN040806; KF471656; KF170755; JX090715; FJ349234; KF779285; KF779212; KF471646; JX090698; JN664912; HM750153; FJ904422; FJ349216; KF779303; JX090671; GQ183481; KM524350; KF471649; JX090695; GU456677; GQ183480; KF779318; KF779296; KF779288; KF779216; GQ922005; DQ336690; DQ336691; DQ336678; DQ336679; DQ336675; DQ336676; DQ336677; DQ464175; DQ464172; DQ464177; DQ336685; AB274985; AY935700; FN594752; GQ161758; GQ161766; GQ161774; HM363598; HM363599; KF849726; KF199901; KF779236; AB375164; HM117850; AB059661; AB375159; AB375162; AY090454; AY090460; HM117851; JN604310; KX264501; JN664915; JN664933; KF192841; KF192840; KF192839; KF192838; KF192837; KF192836; KF192835; KF192833; J02202; HQ700582; JN257204; KU711666

67 Protein sequences are covered at 25 % (genotype D: 47; genotype E: 14; genotype H: 3; unclassified: 3):
KF779230; KF779382; GU456665; JX090615; JN040769; AB674408; DQ486025; JX090609; JX090635; AY741796; FJ349213; JN642131; AJ131956; AB674422; L27106; KF170756; JN642138; JN040810; JN040784; JX090724; JF754635; GU456669; GU456652; KF779289; KF779225; JN040762; JX090647; JX090641; JN642166; JN257202; KF779302; JX090646; JN642165; EF103277; KF779301; KC875337; FJ904445; KF779218; KF779217; JX090605; JN664937; EU919197; JN642145; JN604238; JN040828; JN664913; DQ329356; AM494711; GQ161803; FN545842; AM494692; KM108626; HM363602; KF170751; GQ161825; KF170790; HM363600; KF170783; KM108624; KF170786; GQ161836; AB059659; AB375160; FJ356716; JN257154; KX827302; AB048702

25 Protein sequences are covered at 24 % (genotype D: 23; genotype E: 1; unclassified: 1):
GQ477455; JX310727; AY090452; GU456678; JN040782; JN040771; JX090636; JX090616; JN040773; JN642140; JN040801; KC875282; GU456683; KM524356; JX090640; JF754632; HQ236016; JN257170; JF754599; JX090613; JX090607; DQ329357; DQ464176; KM108610; DQ991753

103 Protein sequences are covered at 23 % (genotype D: 71; genotype E: 6; unclassified: 26):

EU787438; KC875298; EU155893; JX090680; JF439709; JF439706; JF439711; JF439699; JF439700; JF439701; JF439704; JF439705; JF439710; JF439708; JF754617; GU456636; AB330367; JF754588; JX090690; JX090611; EF103281; KF471659; JN664931; GU456645; GU456643; KC875333; JN642164; FJ904419; AJ344116; FJ904418; KM606755; KM524338; JX090723; KM108599; KF471641; KF170761; JN040821; JN040809; HQ700463; GQ183461; JX090707; JN040824; EU594434; KP995100; JX090697; KX276975; KF170772; KC875326; KC875318; KC875287; JX090658; JN257205; JN040750; JF754615; FJ349214; FJ349206; KM108604; KM108598; KM108597; KF471660; KC875303; JX090693; KF471650; HQ700446; HQ700445; GU456647; KX827292; KF170767; JN664920; JN664939; DQ464168; AB274979; HM363607; HM363585; AM494697; KF170787; GQ161834; JF440012; JF440010; JF439994; JF440004; JF440005; JF439995; JF439996; JF439999; JF440002; JF440003; JF440007; JF440009; JF440014; JF440015; JF440001; AB033558; KM577666; KC875339; JF439998; KM606741; HQ700536; KM524359; EU594436; EF103285; KX357636; JN664946

160 Protein sequences are covered at 22 % (genotype D: 26; genotype E: 2; genotype F: 129; genotype H: 2; unclassified: 1):
AB674416; AB674428; AB048701; AF280817; JN642150; KP090179; KF471644; HQ700472; KF170774; JN040786; GQ183469; GQ183460; JN040788; KF779219; JN040768; JN040777; KU736927; KM108603; EU939680; KM108594; JF754601; EU921419; AY236162; DQ304551; DQ336674; DQ336689; AB219533; HM363572; AB214516; DQ823089; DQ823087; AF223962; DQ776247; DQ823088; DQ823090; EU366116; KJ843207; JN811655; KX264499; KJ843224; KJ843222; KJ843221; KJ843219; KJ843213; KJ843212; KJ843211; KJ843210; KJ843208; KJ843189; JX079937; JN811656; HE981181; FJ657528; FJ657522; DQ899145; AB116654; KP995110; JN604233; AF223964; KT896494; KP995120; KC494402; KC494401; X75658; X69798; KX264497; KP995107; KP718113; KP718104; KM998715; KM233681; KJ843203; KJ843202; KJ843191; KJ586808; KC494405; KC494403; KC494395; KC494394; KJ843197; KJ843174; KC494404; KX264496; KP995098; KJ843206; KJ843204; KJ843201; KJ843200; KJ843199; KJ843198; KJ843196; KJ843195; KJ843194; KJ843193; KJ843190; KJ843181; KJ843180; KJ843179; KJ843178; KJ843177; KJ843176; KJ843171; KJ843167; KJ843164; KJ843163; JX079936; HM585200; FJ709457; FJ709462; AY090459; AY090461; HM585186; HM585194; HM590471; HM590472; AY179735; AB064316; AB116552; FJ709464; JN792920; JN792919; JN688703; JN688699; JN688691; HQ378247; HM590473; HM585199; HM585197; HM585196; HM585193; HM585192; HM585190; HM585189; HM585188; HM585187; HE981183; HE981182; FJ709494; FJ709465; FJ709460; FJ657529; EU670262; EU366133; EU366118; DQ823095; DQ823094; DQ823093; DQ823092; DQ823091; FJ709458; FJ709459; HM585191; HM585198; DQ899142; DQ899143; AY090455; AY311369; AB059660; AY090457; FJ349221

74 Protein sequences are covered at 21 % (genotype D: 46; genotype E: 6; genotype F: 6; genotype H: 10; unclassified: 6):
JN688685; AB674419; JF439692; AB674423; JN040775; JQ707690; JQ707683; JQ707697; JQ707699; JQ707702; JQ707706; JQ707682; JQ707684; JQ707685; JQ707687; JQ707688; JQ707691; JQ707692; JQ707694; JQ707695; JQ707696; JQ707698; JQ707700; JQ707701; JQ707704; JQ707705; JQ707686; JQ707689; JN642133; AB674431; JN040787; GQ183459; JX090629; JN040779; AF121242; JX090644; KF779222; JN040800; JF754623; HQ236015;

GU456650; JN040758; JN040808; JF754610; KF471657; JX090706; KF170750; KF170782; FN594749; AM494699; HM363608; KM108625; JN688720; KP995115; JN792917; JN792918; HM622135; KP995113; FJ356715; AB275308; AB353764; AB179747; AB266536; AB818694; EF157291; EU498228; HM066946; HQ285946; KM386676; JF440011; JN040803; FJ904437; KX357634; FJ349207

35 Protein sequences are covered at 20 % (genotype D: 17; genotype E: 1; genotype F: 9; unclassified: 8):
KM524340; JN604139; DQ464169; GQ477458; DQ111986; JN604250; KF471640; GU357846; JX090622; JN040766; JN040751; GU456637; JN040811; DQ304547; AY236160; DQ486021; DQ464174; AB205190; DQ899146; KC494397; KP995116; KJ843168; KC494400; KJ843205; KJ843170; KJ843169; AF223963; KX357624; DQ464164; JN664929; AB188243; JN642137; KX357629; KP995112; JN040798

65 Protein sequences are covered at 19 % (genotype D: 10; genotype E: 4; genotype F: 47; unclassified: 4):
JN664926; GQ183456; JN040790; JX090623; EU921418; JN040820; JN040793; DQ304548; DQ304550; DQ464178; GQ161760; EU239220; FN594766; AM494703; EF576808; AB365453; AB365446; KJ843175; AF223965; EF576812; KJ843209; KJ843220; AY090456; DQ899144; JN604225; JN792922; AY090458; HM585195; KP995114; X75663; AB116550; KP995106; DQ899149; JF439884; JF439885; FJ589067; AB036915; KP995123; KP995125; KP718111; AB036905; AB036909; AB036910; AB036911; AB036912; AB036914; AB036916; AB036917; AB036918; AB036919; AB036920; AB116549; AB116551; KX264498; KP995101; KP718112; KP718103; KP718109; KP995126; KP995124; AY311370; DQ464167; JF440000; JF440006; JF440013

27 Protein sequences are covered at 18 % (genotype D: 24; genotype F: 2; unclassified: 1):
JF439718; GQ183465; GQ183448; JQ707693; GQ183468; GQ183466; GQ183464; GQ183463; GQ183462; GQ183458; GQ183457; GQ183455; GQ183454; GQ183453; GQ183452; GQ183451; GQ183450; GQ183449; JN642126; JN040822; KF476030; JX310726; KF170760; GQ184322; DQ899147; KP995104; GU563560

18 Protein sequences are covered at 17 % (genotype D: 6; genotype E: 1; genotype F: 9; genotype H: 1; unclassified: 1):
JX310735; JX090634; JN257200; KC875304; GQ167301; GQ167302; AM494714; KJ843225; AB166850; KC494396; KP995097; JN604271; FJ657525; KC494399; FJ589066; KP995109; AB205010; AB674433

3 Protein sequences are covered at 16 % (genotype F: 3):
KJ843185; KP995119; DQ899148

6 Protein sequences are covered at 15 % (genotype D: 5; genotype F: 1):
EU155895; GQ183467; JF439703; M32138; JN040755; KP995105

10 Protein sequences are covered at 14 % (genotype D: 6; genotype F: 4):

FJ349215; JN040812; DQ336688; DQ336687; DQ336686; DQ336692; JQ272888; KJ586807; KP995118; KP995117

1 Protein sequence is covered at 13 % (unclassified: 1):
FJ349212

1 Protein sequence is covered at 12 % (genotype F: 1):
DQ899150

3 Protein sequences are covered at 10 % (genotype D: 1; genotype F: 2):
JF439696; KJ638656; KP995111