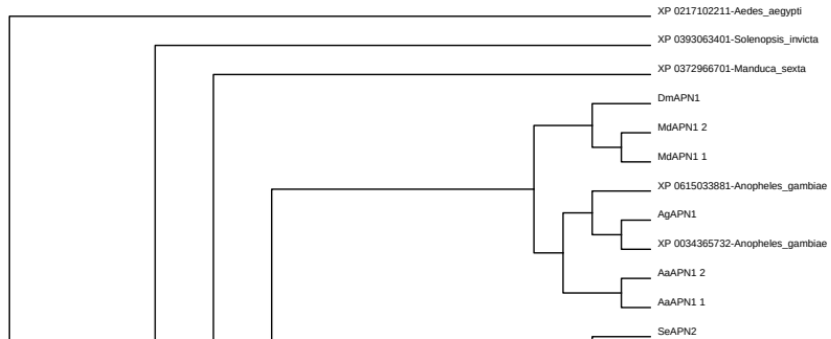
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XP 0393063401-Solenopsis_invicta
XP 0372966701-Manduca_sexta
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MdAPN1 2
MdAPN1 1
XP 0615033881-Anopheles_gambiae
AgAPN1
XP 0034365732-Anopheles_gambiae
AaAPN1 2
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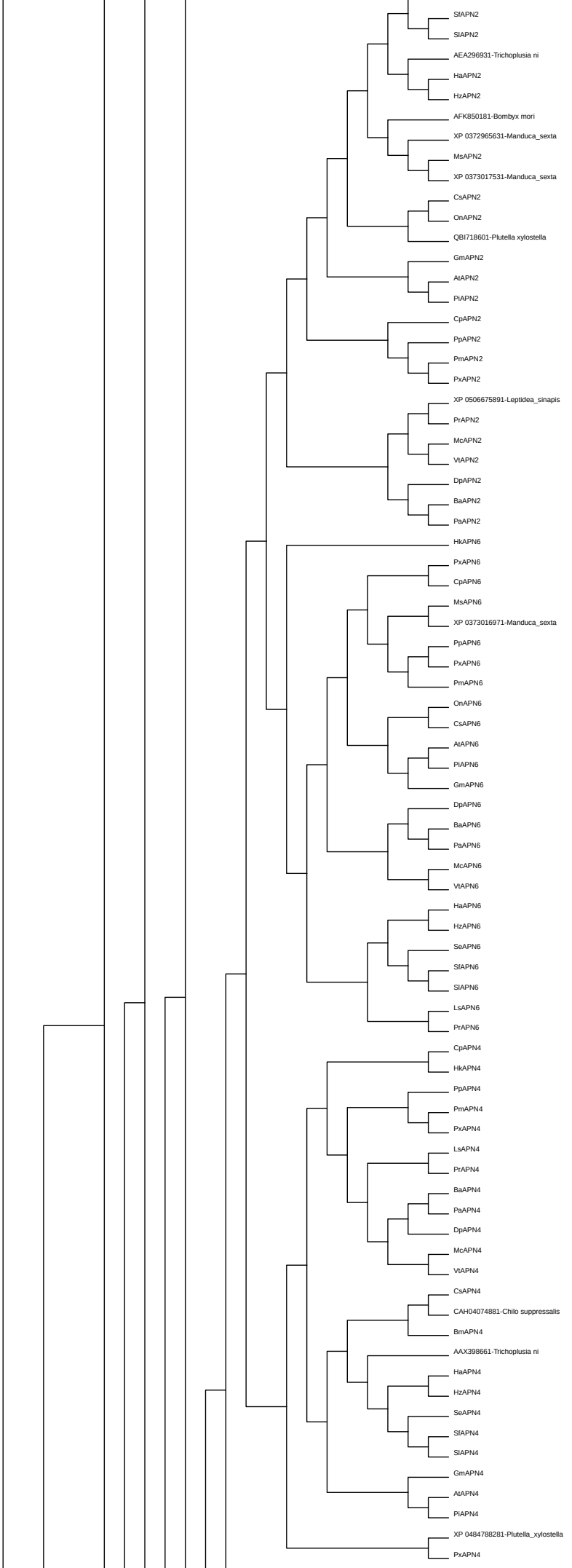
SeAPN2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AEA296931-Trichoplusia ni
HaAPN2
HzAPN2
AFK850181-Bombyx mori
XP 0372965631-Manduca_sexta
MsAPN2
XP 0373017531-Manduca_sexta
CsAPN2
OnAPN2
QBI718601-Plutella xylostella
GmAPN2
AtAPN2
PiAPN2
CpAPN2
PpAPN2
PmAPN2
PxAPN2
XP 0506675891-Leptidea_sinapis
PrAPN2
McAPN2
VtAPN2
DpAPN2
BaAPN2
PaAPN2
HkAPN6
PxAPN6
CpAPN6
MsAPN6
XP 0373016971-Manduca_sexta
PpAPN6
PxAPN6
PmAPN6
OnAPN6
CsAPN6
AtAPN6
PiAPN6
GmAPN6
DpAPN6
BaAPN6
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VtAPN6
HaAPN6
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LsAPN6
PrAPN6
CpAPN4
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PxAPN4
LsAPN4
PrAPN4
BaAPN4
PaAPN4
DpAPN4
McAPN4
VtAPN4
CsAPN4
CAH04074881-Chilo suppressalis
BmAPN4
AAX398661-Trichoplusia ni
HaAPN4
HzAPN4
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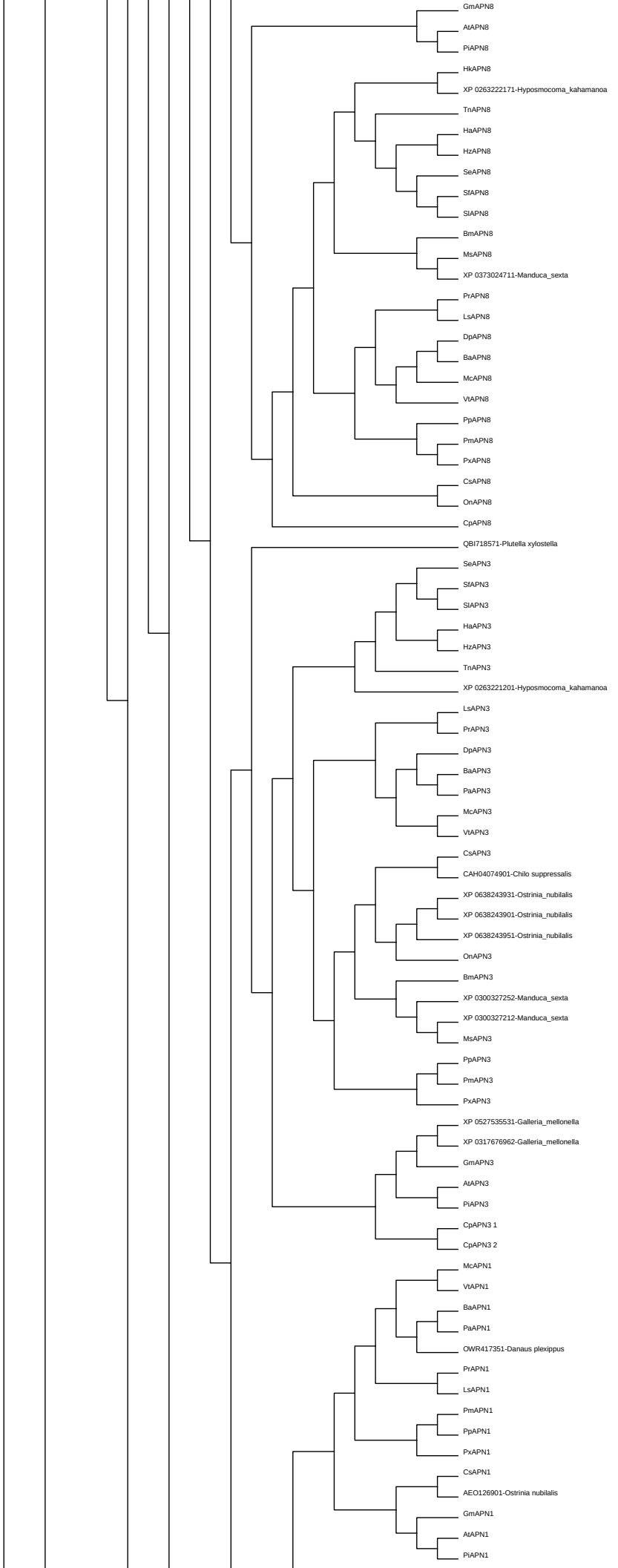
XP 0484788281-Plutella_xylostella
PxAPN4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SeAPN8
SfAPN8
SlAPN8
BmAPN8
MsAPN8
XP 0373024711-Manduca_sexta
PrAPN8
LsAPN8
DpAPN8
BaAPN8
McAPN8
VtAPN8
PpAPN8
PmAPN8
PxAPN8
CsAPN8
OnAPN8
CpAPN8
QBI718571-Plutella xylostella
SeAPN3
SfAPN3
SlAPN3
HaAPN3
HzAPN3
TnAPN3
XP 0263221201-Hyposmocoma_kahamanoa
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PrAPN3
DpAPN3
BaAPN3
PaAPN3
McAPN3
VtAPN3
CsAPN3
CAH04074901-Chilo suppressalis
XP 0638243931-Ostrinia_nubilalis
XP 0638243901-Ostrinia_nubilalis
XP 0638243951-Ostrinia_nubilalis
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BmAPN3
XP 0300327252-Manduca_sexta
XP 0300327212-Manduca_sexta
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PpAPN3
PmAPN3
PxAPN3
XP 0527535531-Galleria_mellonella
XP 0317676962-Galleria_mellonella
GmAPN3
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PiAPN3
CpAPN3 1
CpAPN3 2
McAPN1
VtAPN1
BaAPN1
PaAPN1
OWR417351-Danaus plexippus
PrAPN1
LsAPN1
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CsAPN1
AEO126901-Ostrinia nubilalis
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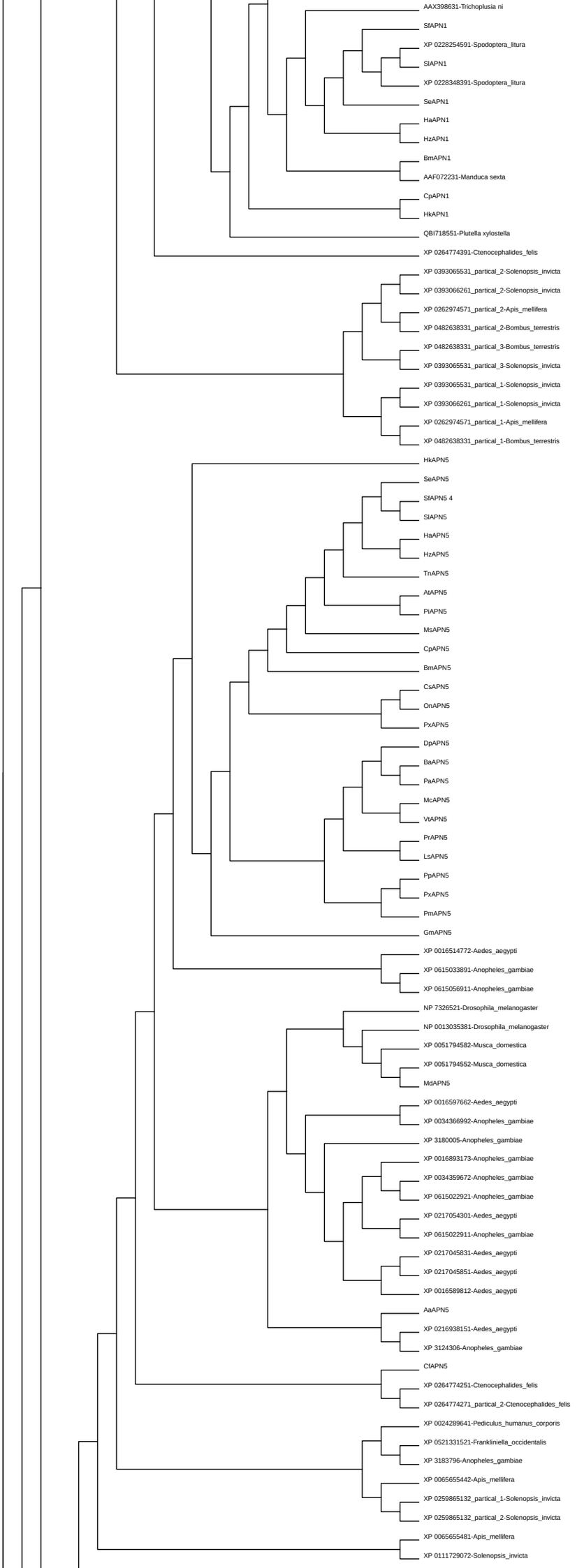
PiAPN1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BmAPN1
AAF072231-Manduca sexta
CpAPN1
HkAPN1
QBI718551-Plutella xylostella
XP 0264774391-Ctenocephalides_felis
XP 0393065531_partical_2-Solenopsis_invicta
XP 0393066261_partical_2-Solenopsis_invicta
XP 0262974571_partical_2-Apis_mellifera
XP 0482638331_partical_2-Bombus_terrestris
XP 0482638331_partical_3-Bombus_terrestris
XP 0393065531_partical_3-Solenopsis_invicta
XP 0393065531_partical_1-Solenopsis_invicta
XP 0393066261_partical_1-Solenopsis_invicta
XP 0262974571_partical_1-Apis_mellifera
XP 0482638331_partical_1-Bombus_terrestris
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SeAPN5
SfAPN5 4
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McAPN5
VtAPN5
PrAPN5
LsAPN5
PpAPN5
PxAPN5
PmAPN5
GmAPN5
XP 0016514772-Aedes_aegypti
XP 0615033891-Anopheles_gambiae
XP 0615056911-Anopheles_gambiae
NP 7326521-Drosophila_melanogaster
NP 0013035381-Drosophila_melanogaster
XP 0051794582-Musca_domestica
XP 0051794552-Musca_domestica
MdAPN5
XP 0016597662-Aedes_aegypti
XP 0034366992-Anopheles_gambiae
XP 3180005-Anopheles_gambiae
XP 0016893173-Anopheles_gambiae
XP 0034359672-Anopheles_gambiae
XP 0615022921-Anopheles_gambiae
XP 0217054301-Aedes_aegypti
XP 0615022911-Anopheles_gambiae
XP 0217045831-Aedes_aegypti
XP 0217045851-Aedes_aegypti
XP 0016589812-Aedes_aegypti
AaAPN5
XP 0216938151-Aedes_aegypti
XP 3124306-Anopheles_gambiae
CfAPN5
XP 0264774251-Ctenocephalides_felis
XP 0264774271_partical_2-Ctenocephalides_felis
XP 0024289641-Pediculus_humanus_corporis
XP 0521331521-Frankliniella_occidentalis
XP 3183796-Anopheles_gambiae
XP 0065655442-Apis_mellifera
XP 0259865132_partical_1-Solenopsis_invicta
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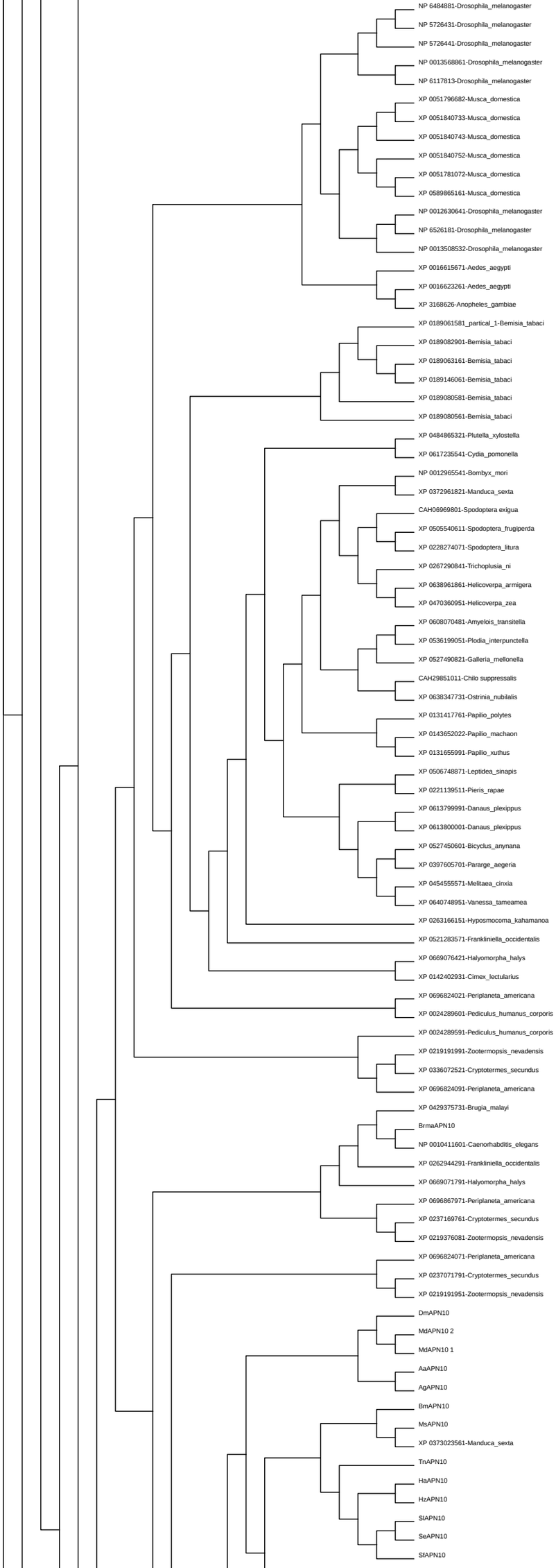
XP 0065655481-Apis_mellifera
XP 0111729072-Solenopsis_invicta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NP 0013568861-Drosophila_melanogaster
NP 6117813-Drosophila_melanogaster
XP 0051796682-Musca_domestica
XP 0051840733-Musca_domestica
XP 0051840743-Musca_domestica
XP 0051840752-Musca_domestica
XP 0051781072-Musca_domestica
XP 0589865161-Musca_domestica
NP 0012630641-Drosophila_melanogaster
NP 6526181-Drosophila_melanogaster
NP 0013508532-Drosophila_melanogaster
XP 0016615671-Aedes_aegypti
XP 0016623261-Aedes_aegypti
XP 3168626-Anopheles_gambiae
XP 0189061581_partical_1-Bemisia_tabaci
XP 0189082901-Bemisia_tabaci
XP 0189063161-Bemisia_tabaci
XP 0189146061-Bemisia_tabaci
XP 0189080581-Bemisia_tabaci
XP 0189080561-Bemisia_tabaci
XP 0484865321-Plutella_xylostella
XP 0617235541-Cydia_pomonella
NP 0012965541-Bombyx_mori
XP 0372961821-Manduca_sexta
CAH06969801-Spodoptera exigua
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XP 0228274071-Spodoptera_litura
XP 0267290841-Trichoplusia_ni
XP 0638961861-Helicoverpa_armigera
XP 0470360951-Helicoverpa_zea
XP 0608070481-Amyelois_transitella
XP 0536199051-Plodia_interpunctella
XP 0527490821-Galleria_mellonella
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XP 0638347731-Ostrinia_nubilalis
XP 0131417761-Papilio_polytes
XP 0143652022-Papilio_machaon
XP 0131655991-Papilio_xuthus
XP 0506748871-Leptidea_sinapis
XP 0221139511-Pieris_rapae
XP 0613799991-Danaus_plexippus
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XP 0527450601-Bicyclus_anynana
XP 0397605701-Pararge_aegeria
XP 0454555571-Melitaea_cinxia
XP 0640748951-Vanessa_tameamea
XP 0263166151-Hyposmocoma_kahamanoa
XP 0521283571-Frankliniella_occidentalis
XP 0669076421-Halyomorpha_halys
XP 0142402931-Cimex_lectularius
XP 0696824021-Periplaneta_americana
XP 0024289601-Pediculus_humanus_corporis
XP 0024289591-Pediculus_humanus_corporis
XP 0219191991-Zootermopsis_nevadensis
XP 0336072521-Cryptotermes_secundus
XP 0696824091-Periplaneta_americana
XP 0429375731-Brugia_malayi
BrmaAPN10
NP 0010411601-Caenorhabditis_elegans
XP 0262944291-Frankliniella_occidentalis
XP 0669071791-Halyomorpha_halys
XP 0696867971-Periplaneta_americana
XP 0237169761-Cryptotermes_secundus
XP 0219376081-Zootermopsis_nevadensis
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XP 0237071791-Cryptotermes_secundus
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AgAPN10
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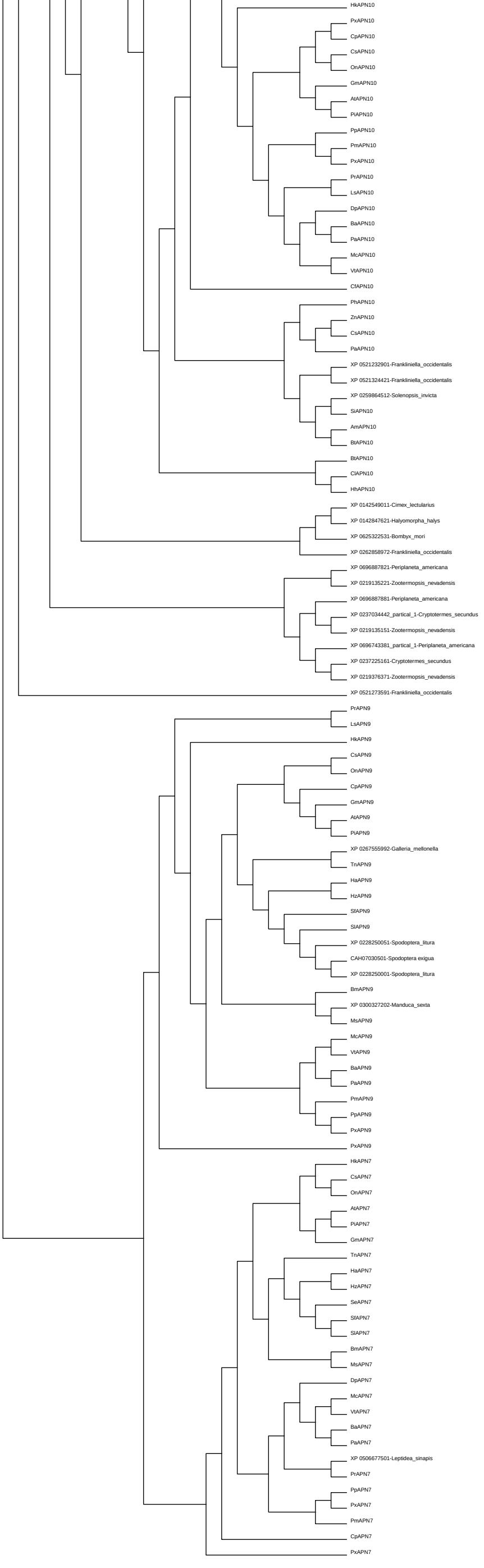
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CfAPN10
PhAPN10
ZnAPN10
CsAPN10
PaAPN10
XP 0521232901-Frankliniella_occidentalis
XP 0521324421-Frankliniella_occidentalis
XP 0259864512-Solenopsis_invicta
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XP 0142847621-Halyomorpha_halys
XP 0625322531-Bombyx_mori
XP 0262858972-Frankliniella_occidentalis
XP 0696887821-Periplaneta_americana
XP 0219135221-Zootermopsis_nevadensis
XP 0696887881-Periplaneta_americana
XP 0237034442_partical_1-Cryptotermes_secundus
XP 0219135151-Zootermopsis_nevadensis
XP 0696743381_partical_1-Periplaneta_americana
XP 0237225161-Cryptotermes_secundus
XP 0219376371-Zootermopsis_nevadensis
XP 0521273591-Frankliniella_occidentalis
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XP 0228250051-Spodoptera_litura
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