

ST3. Annotation of *L. stagnalis* predicted proteins: nuclear receptor domains (DBD: DNA-binding domain; LBD: Ligand-binding domain).

protein prediction	GP_identifier	DBD start	DBD end	DBD	DBD_E-value	DBD_incomplete	LBD start	LBD end	LBD	LBD_E-value	LBD_incomplete	other domain start	other domain end	other domain	other domain E-value	other domain incomplete	gene nomenclature
modified	GSLYST00010242001extended	13	86	NR_DBD_like	6.44E-28	-	-	-	no LBD	-	no LBD	-	-	-	-	-	NR1A2 (THRB)
automatic	GSLYST00002111001	675	746	NR_DBD_like	2.06E-31	-	865	1040	NR_LBD_F1	4.97E-22	-	-	-	-	-	-	NR1B2 (RARB)
automatic	GSLYST00008490001	114	197	NR_DBD_RAR	5.50E-55	-	218	471	NR_LBD_RAR	1.76E-104	-	-	-	-	-	-	NR1B2 (RARB)
modified	GSLYST00009886001&GSLYST00009887001	13	78	NR_DBD_like	5.68E-39	-	792	936	NR_LBD superfamily	1.77E-19	-	-	-	-	-	-	NR1B3 (RARG)
automatic	GSLYST00012932001	393	464	NR_DBD_like	5.10E-31	-	570	732	NR_LBD_F1	1.31E-28	-	-	-	-	-	-	NR1C1 (PPARA)
automatic	GSLYST00020728001	35	123	NR_DBD_REV_ERB	8.29E-59	-	210	381	NR_LBD_REV_ERB	1.26E-71	-	990	1294	Med15	5.34E-05	C	NR1C1 (PPARA)
modified	Lsta_scaffold719:49114..65797_ORF30 same location as GSLYS00019008001	160	231	NR_DBD_like	4.16E-31	-	-	-	-	-	no LBD	-	-	-	-	-	NR1C1 (PPARA)
modified	Lsta_scaffold719:49114..65797_ORF30 same location as GSLYS00019008001	160	231	NR_DBD_like	4.16E-31	-	-	-	-	-	no LBD	-	-	-	-	-	NR1C1 (PPARA)
automatic	GSLYST00012709001	31	105	NR_DBD_like	9.03E-34	-	434	601	NR_LBD_F1	1.27E-19	-	-	-	-	-	-	NR1C2 (PPARD)
modified	GSLYST00008467001&ORF2_EX9&10_bpp1E75_GAL ME.1.1	35	113	NR_DBD_REV_ERB	4.49E-41	-	165	327	NR_LBD_PPAR	1.77E-23	-	-	-	-	-	-	NR1C3 (PPARG)
modified	GSLYST00009627001&GSLYST00009626001ext	67	152	NR_DBD_Ppar	1.83E-47	-	222	394	NR_LBD_F1	7.59E-21	-	-	-	-	-	-	NR1C3 (PPARG)
automatic	GSLYST00020475001	32	103	NR_DBD_like	3.33E-30	-	484	634	NR_LBD_Dme78_like	6.62E-19	-	-	-	-	-	-	NR1C3 (PPARG)
automatic	GSLYST00021345001	2	38	NR_DBD_Dme78_like	3.26E-20	N	121	313	NR_LBD_Dme78_like	2.01E-82	-	-	-	-	-	-	NR1C3 (PPARG)
automatic	GSLYST00003246001	18	89	NR_DBD_like	4.35E-42	-	437	609	NR_LBD_F1	6.96E-43	-	-	-	-	-	-	NR1D1 (REVERBA)
automatic	GSLYST00003376001	406	478	NR_DBD_like	8.24E-39	-	1089	1262	NR_LBD_F1	2.15902E-49	-	732	951	T4SS_IcmE_DotG	3.39E-16	NC	NR1D2 (REVERBB)
automatic	GSLYST00003556001	212	278	2DBD_NR_DBD1	3.62E-25	-	867	1035	NR_LBD_F1	9.84E-23	-	298	373	2DBD_NR_DBD2	1.68E-32	full	NR1D2 (REVERBB)
automatic	GSLYST00005611001	-	-	no DBD	-	no DBD	194	347	NR_LBD_F1	9.66E-38	-	-	-	-	-	-	NR1D2 (REVERBB)
automatic	GSLYST00002203001	21	92	NR_DBD_like	3.34E-28	-	480	648	NR_LBD_F1	9.99E-22	-	145	356	Herpes_BLLF1	5.53E-05	NC	NR1F1 (RORA)
automatic	GSLYST00003481001	470	541	NR_DBD_like	1.93E-28	-	733	897	NR_LBD_F1	3.64E-12	-	-	-	-	-	-	NR1F1 (RORA)
automatic	GSLYST00003724001	20	93	NR_DBD_like	6.55E-32	-	764	927	NR_LBD_F1	1.13E-18	-	-	-	-	-	-	NR1F1 (RORA)
automatic	GSLYST00012703001	21	93	NR_DBD_like	5.41E-36	-	501	672	NR_LBD_F1	1.97E-17	-	-	-	-	-	-	NR1F1 (RORA)
automatic	GSLYST00007099001	91	184	NR_DBD_ROR	3.92E-65	-	272	508	NR_LBD_ROR_like	8.86E-78	-	-	-	-	-	-	NR1F2 (RORB)
automatic	GSLYST00019331001	22	93	NR_DBD_like	6.95E-37	-	368	537	NR_LBD_F1	3.65E-30	-	-	-	-	-	-	NR1F3 (RORC)
automatic	GSLYST00000602001	62	140	NR_DBD_CAR	8.44E-42	-	375	556	NR_LBD_F1	1.60E-33	-	-	-	-	-	-	NR1H3 (LXRA)
automatic	GSLYST00000926001	71	168	NR_DBD_LXR	1.32E-46	-	246	464	NR_LBD_EcR	7.74E-69	-	-	-	-	-	-	NR1H3 (LXRA)
automatic	GSLYST00003412001	96	188	NR_DBD_CAR	2.00E-46	-	254	432	NR_LBD_F1	1.13E-34	-	-	-	-	-	-	NR1H3 (LXRA)
automatic	GSLYST00019008001	-	-	no DBD	-	no DBD	358	508	NR_LBD_F1	3.78E-29	-	-	-	-	-	-	NR1H3 (LXRA)
automatic	GSLYST00021927001	13	84	NR_DBD_like	7.97E-34	-	231	388	NR_LBD_F1	1.89E-33	-	-	-	-	-	-	NR1H4 (FXRA)
automatic	GSLYST00016253001	20	111	NR_DBD_CAR	2.10E-42	-	259	447	NR_LBD_F1	1.17E-40	-	-	-	-	-	-	NR1I1 (VDR)
modified	GSLYST00020495001&GSLYST00020494001ext	58	151	NR_DBD_CAR	5.27E-45	-	258	431	NR_LBD_F1	1.11E-25	-	-	-	-	-	-	NR1I1 (VDR)
automatic	GSLYST00006772001	151	226	NR_DBD_HNF4A	3.29E-48	-	245	468	NR_LBD_HNF4_like	3.63E-128	-	-	-	-	-	-	NR2A1 (HNF4A)
automatic	GSLYST00014050001	174	253	NR_DBD_RXR	6.66E-54	-	273	476	NR_LBD_RXR_like	2.69E-152	-	98	171	Nuc_recep-AF1	0.0028077	C	NR2B1 (RXRA)
modified	BPPAALocus_8214_Transcript_1/1_1/ORF17/ same location as GSLYST00001311001	189	268	2DBD_NR_DBD1	8.47E-21	-	1145	1313	NR_LBD_F1	7.10774E-13	-	275	348	2DBD_NR_DBD2	4.473E-30	-	NR2B2 (RXRB)
automatic	GSLYST00009203001	113	196	NR_DBD_TR	3.74E-48	-	259	466	NR_LBD_Nurrr1_like	3.25E-41	-	-	-	-	-	-	NR2B3 (RXRG)
modified	GSLYST00005434001&74AA&GSLYST00005433001	152	238	NR_DBD_TR2_like	1.03E-54	-	426	647	NR_LBD_TR2_like	3.86E-103	-	-	-	-	-	-	NR2C2 (TR4)
automatic	GSLYST00007009001	2	82	NR_DBD_PNR_like_2	8.88E-50	-	143	188	NR_LBD_F2	2.32E-10	C	-	-	-	-	-	NR2E1 (TLL)
automatic	GSLYST00012340001	11	103	NR_DBD_TLX	1.06E-64	-	185	377	NR_LBD_Tlx_PNR_like	7.74E-60	-	-	-	-	-	-	NR2E1 (TLL)
modified	GSLYST00013111001&GSLYST00013110001	10	59	NR_DBD_TLX	3.80E-24	-	121	325	NR_LBD_Tlx_PNR_like	5.57E-104	-	-	-	-	-	-	NR2E1 (TLL)
modified	GSLYST00020139_altORF	1	85	NR_DBD_PNR	1.44E-62	-	141	357	NR_LBD_Tlx_PNR_like	5.2571E-107	-	-	-	-	-	-	NR2E3 (PNR)
automatic	GSLYST00022416001	3	20	NR_DBD_PNR	0.000114548	N	-	-	no LBD	-	no LBD	-	-	-	-	-	NR2E3 (PNR)
automatic	GSLYST00018763001	-	-	no DBD	-	no DBD	321	470	NR_LBD_F2	5.00E-31	-	-	-	-	-	-	NR2F1 (COUP-TFI)

