

Sub/Genotype	GenBank #	Host	Location	Isolate ID	Year
II_vir	KP939091	_	USA	Ky_50	1947
I_a	AF217084	chicken	Australia	Queensland_V_4	1966
I_a	AY935490	chicken	Australia	02_1334	2002
I_a	AY935491	chicken	Australia	98_1154	1998
I_a	AY935492	chicken	Australia	98_1249	1998
I_a	AY935493	chicken	Australia	98_1252	1998
I_a	AY935494	chicken	Australia	99_0655	1999
I_a	AY935495	chicken	Australia	99_0868_hi	1999
I_a	AY935496	chicken	Australia	99_0868_lo	1999
I_a	AY935497	chicken	Australia	1997PR_32	1999
I_a	AY935498	chicken	Australia	99_1435	1999
I_a	GU332645	chicken	Australia	9809_19_1107	1998
I_a	M24693	chicken	Australia	Queensland	1966
I_a	AY935499	chicken	Australia	I-2vaccine	2005
II_low	AF077761	chicken	USA	Lasota	1946
II_low	JN872151	chicken	USA	Hitchner_B1	1947
II_low	EU289028	turkey	USA	VG_GA	1989
II_vir	KP939096	_	USA	NJ_KD	1945
II_vir	GU978777	chicken	USA	TX_GB	1948
II_vir	KP939088	chicken	USA	California_CG_179_H4_	1946
II_vir	KP939089	chicken	USA	California_11914_FD_H6_	1944
II_vir	KP939090	chicken	USA	California_119144_NAP_H7_	1944
II_vir	KT445901	chicken	Palestine	Komarov	1945
II_vir	KP939094		USA	Nebraska_WW1	1955
IV	EU293914	_	Italy	Italien	1944
IV	MH996898	Chicken	Nigeria	Plateau/1973 (N53)	1973
IV	MH996897	Chicken	Nigeria	Kano/1973 (N52)	1973
IV	MH996899	Chicken	Nigeria	FLD/1973 (N54)	1973
IV	AY741404	Fowl	UK	Herts	1933
VI g	JQ039385	dove	Nigeria	dove/VRD07-163	2007
VI g	KX352835	mallard	Russia	Amur/264	2009
VI g	JF824013	pigeon	Russia	Kemerovo/0267	2009
VI g	JF824032	pigeon	Russia	Vladimir/687	2005
VI g	KJ914671	pigeon	Ukraine	Dnipropetrovsk/1-18-11	2011
VI g	KJ914672	pigeon	Ukraine	Ukromne/3-26-11	2011
VI g	KT962979	pigeon	Russia	Altai/777	2010
VI g	KT965727	pigeon	Kazakhstan	EKO/15	2014
VI g	KT965728	pigeon	Kazakhstan	Zhambyl/32	2014
VI g	KY042127	pigeon	Ukraine	Kharkiv/23-01/967	2013
VI g	KY042128	Pigeon	Ukraine	Doneck/3	2007
VI g	KY042129	Pigeon	Egypt	11/CL (G1)	2015
VI g	KY042130	Pigeon	Egypt	44/CL (G24)	2015
VI g	KY042131	Pigeon	Egypt	56/CL (G25)	2015
VI g	KY042132	Pigeon	Egypt	73/OP (G29)	2015
VI g	KY042134	Pigeon	Egypt	84/OP (G31)	2015
VI g	KY042136	Pigeon	Pakistan	Lahore/125	2015
VI g	KY042137	Pigeon	Pakistan	Jhang/115	2015
VI g	KY042138	Pigeon	Pakistan	Lahore/126	2015
VI g	KY042139	Pigeon	Pakistan	Lahore/146	2016
VI_h	JX518532	laughing_dove	Kenya	B2_Isiolo	2012
VI_h	HG326601	pigeon	Nigeria	NIE07_061	2007
VI_h	HG326602	pigeon	Nigeria	NIE07_062	2007
VI_h	HG326603	pigeon	Nigeria	NIE07_063	2007
VI_h	HG326604	pigeon	Nigeria	NIE09_1898	2009
VI_h	HG424627	pigeon	Nigeria	NIE13_092	2013

Sub/Genotype	GenBank #	Host	Location	Isolate ID	Year
VI_h	JQ039387	pigeon	Nigeria	VRD08_37BRpe_7_9_	2008
VI_h	JQ039391	pigeon	Nigeria	VRD07_231	2007
VI_h	AY734536	pigeon	Argentina	Capital_3	1997
XIV_a	FJ772452	chicken	Nigeria	1377-8	2006
XIV_a	HF969131	chicken	Nigeria	NIE08-2117	2009
XIV_a	HF969136	chicken	Nigeria	NIE08-2194	2009
XIV_a	HF969139	chicken	Nigeria	NIE08-2280	2009
XIV_a	HF969144	chicken	Nigeria	NIE09-2009	2009
XIV_a	HF969150	chicken	Nigeria	NIE09-2044	2009
XIV_a	HF969155	chicken	Nigeria	NIE09-2087	2009
XIV_a	HF969186	chicken	Nigeria	NIE07-125	2007
XIV_a	HF969193	chicken	Nigeria	NIE08-2150	2009
XIV_a	HF969200	chicken	Nigeria	NIE08-2362	2009
XIV_a	JQ039386	chicken	Nigeria	VRD08-36	2008
XIV_a	HF969167	turkey	Nigeria	NIE10-082	2011
XIV_a	HF969205	turkey	Nigeria	NIE09-2071	2009
XIV_b	HF969133	chicken	Nigeria	NIE08_2159	2009
XIV_b	HF969141	chicken	Nigeria	NIE08_2359	2009
XIV_b	HF969142	chicken	Nigeria	NIE09_1596	2009
XIV_b	HF969143	chicken	Nigeria	NIE09_1597	2009
XIV_b	HF969145	chicken	Nigeria	NIE09_2014	2009
XIV_b	HF969146	chicken	Nigeria	NIE09_2017	2009
XIV_b	HF969149	chicken	Nigeria	NIE09_2041	2009
XIV_b	HF969151	chicken	Nigeria	NIE09_2053	2009
XIV_b	HF969157	chicken	Nigeria	NIE09_2166	2009
XIV_b	HF969161	chicken	Nigeria	NIE10_024	2011
XIV_b	HF969162	chicken	Nigeria	NIE10_032	2011
XIV_b	HF969163	chicken	Nigeria	NIE10_034	2011
XIV_b	HF969164	chicken	Nigeria	NIE10_041	2011
XIV_b	HF969165	chicken	Nigeria	NIE10_043	2011
XIV_b	HF969166	chicken	Nigeria	NIE10_076	2011
XIV_b	HF969169	chicken	Nigeria	NIE10_150	2011
XIV_b	HF969170	chicken	Nigeria	NIE10_160	2011
XIV_b	HF969172	chicken	Nigeria	NIE10_258	2011
XIV_b	HF969173	chicken	Nigeria	NIE10_302	2011
XIV_b	HF969177	chicken	Nigeria	NIE10_409	2011
XIV_b	HF969178	chicken	Nigeria	NIE08_2270	2009
XIV_b	HF969187	chicken	Nigeria	NIE08_0453	2008
XIV_b	HF969190	chicken	Nigeria	NIE08_2032	2009
XIV_b	HF969198	chicken	Nigeria	NIE08_2279	2009
XIV_b	HF969202	chicken	Nigeria	NIE09_2013	2009
XIV_b	HF969210	chicken	Nigeria	NIE10_139	2011
XIV_b	HF969211	chicken	Nigeria	NIE10_263	2011
XIV_b	HF969212	chicken	Nigeria	NIE10_318	2011
XIV_b	HF969213	chicken	Nigeria	NIE10_325	2011
XIV_b	HF969214	chicken	Nigeria	NIE10_333	2011
XIV_b	JQ039390	chicken	Nigeria	VRD07_233	2007
XIV_b	JX546245	chicken	Benin	463MT	2009
XIV_b	KY171989	chicken	Nigeria	VRD10_143_N68_913	2010
XIV_b	KY171990	chicken	Nigeria	KD_TW_03T_N45_720	2009
XIV_b	KY171993	chicken	Nigeria	VRD09_031_N23_715	2009
XIV_b	KY171994	chicken	Nigeria	VRD09_001_N19_714	2009
XIV_b	KT948996	duck	Nigeria	NG_695_KG_LOM_11_16	2009
XIV_b	KC568206	guinea_fowl	Nigeria	NG_706_JG_KZ_14T	2009
XIV_b	HF969203	turkey	Nigeria	NIE09_2021	2009

Sub/Genotype	GenBank #	Host	Location	Isolate ID	Year
XVII_a	KY292310	Quail	Nigeria/Jos North	VRD08/385 (N23)	2008
XVII_a	FJ772449	–	Nigeria	913_33	2006
XVII_a	FJ772486	–	Nigeria	3724_6	2008
XVII_a	HF969207	–	Nigeria	NIE09_2167	2009
XVII_a	FJ772458	chicken	Burkina_Faso	2415_361	2008
XVII_a	FJ772463	chicken	Burkina_Faso	2415_580	2008
XVII_a	FJ772469	chicken	Niger	2602_348	2008
XVII_a	FJ772472	chicken	Niger	2602_468	2008
XVII_a	FJ772475	chicken	Nigeri	2602_605	2008
XVII_a	FJ772478	chicken	Cameroon	3490_149	2008
XVII_a	FJ772481	chicken	Niger	2602_625	2008
XVII_a	FJ772484	chicken	Cameroon	_3490_147	2008
XVII_a	HF969129	chicken	Nigeria	NIE08_1363	2008
XVII_a	HF969132	chicken	Nigeria	NIE08_2149	2009
XVII_a	HF969134	chicken	Nigeria	NIE08_2168	2009
XVII_a	HF969135	chicken	Nigeria	NIE08_2187	2009
XVII_a	HF969138	chicken	Nigeria	NIE08_2224	2009
XVII_a	HF969140	chicken	Nigeria	NIE08_2340	2009
XVII_a	HF969148	chicken	Nigeria	NIE09_2034	2009
XVII_a	HF969152	chicken	Nigeria	NIE09_2072	2009
XVII_a	HF969168	chicken	Nigeria	NIE10_124	2011
XVII_a	HF969174	chicken	Nigeria	NIE10_304	2011
XVII_a	HF969175	chicken	Nigeria	NIE10_306	2011
XVII_a	HF969176	chicken	Nigeria	NIE10_310	2011
XVII_a	HF969184	chicken	Ivory_Coast	CIV08_103	2007
XVII_a	HF969185	chicken	Ivory_Coast	CIV08_104	2007
XVII_a	HF969188	chicken	Nigeria	NIE08_1365	2008
XVII_a	HF969191	chicken	Nigeria	NIE08_2042	2009
XVII_a	HF969192	chicken	Nigeria	NIE08_2119	2009
XVII_a	HF969195	chicken	Nigeria	NIE08_2247	2009
XVII_a	HF969197	chicken	Nigeria	NIE08_2267	2009
XVII_a	HF969199	chicken	Nigeria	NIE08_2349	2009
XVII_a	HF969204	chicken	Nigeria	NIE09_2028	2009
XVII_a	HF969209	chicken	Nigeria	NIE10_123	2011
XVII_a	HF969215	chicken	Nigeria	NIE10_335	2011
XVII_a	JF966385	chicken	Mali	ML007	2008
XVII_a	JQ039393	chicken	Nigeria	VRD07_141	2007
XVII_a	JQ039394	chicken	Nigeria	VRD07_410	2007
XVII_a	JX546247	chicken	Benin	488MT	2009
XVII_a	KC568208	chicken	Nigeria	NG_710_GM_PLBM_10_12T	2009
XVII_a	KY171992	chicken	Nigeria	JN_469_N44_892	2009
XVII_a	KY171995	chicken	Nigeria	VRD124_06_N11_867	2006
XVII_a	HF969130	guinea_fowl	Nigeria	NIE08_2004	2009
XVII_a	KC568204	pigeon	Nigeria	ZM_KN_PG01_N1_688	2009
XVII_a	KY171991	quail	Nigeria	VRD17_04_N2_861	2004
XVII_b	FJ772446	–	Nigeria	913_1	2006
XVII_b	HF969128	–	Nigeria	NIE07_216	2007
XVII_b	HF969171	chicken	Nigeria	NIE10_182	2011
XVII_b	HF969194	chicken	Nigeria	NIE08_2199	2009
XVII_b	HF969196	chicken	Nigeria	NIE08_2261	2009
XVII_b	KF442614	chicken	Nigeria	228_7	2006
XVIII_a	FJ772455	–	Mauritania	1532_14	2006
XVIII_a	HF969179	chicken	Ivory_Coast	CIV08_026	2007
XVIII_a	JF966387	chicken	Mali	ML008	2009

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XVIII_a	JF966388	chicken	Mali	ML225	2008
XVIII_a	JX518885	chicken	Mali	ML57051T	2010
XVIII_a	JN872157	Green_Wood_Hooper	EH	5801_22	2010
XVIII_a	JF966389	guinea_fowl	Mali	ML038	2007
XVIII_b	FJ772466	chicken	IvoryCoast	2601	2008
XVIII_b	HF969216	chicken	Nigeria	NIE11_1286	2011
XVIII_b	HF969217	chicken	Nigeria	NIE10_171	2011
XVIII_b	HF969218	chicken	Ivory_Coast	CIV08_042	2007
XVIII_b	JX518886	chicken	Mali	ML57072T	2010
XVIII_b	JX546248	chicken	Togo	AKO18	2009
XVIII_b	HF969126	duck	Ivory_Coast	CIV08_062	2006
XVIII_b	JN942101	finch	EH	FinEastern_Hemisphere_1409_12	2008
XVIII_b	HG326600	village_weaver	Ivory_Coast	CIV08_032	2006
I a	MH996910	Local Chicken	Jos North, Nigeria	JN/469 (N44)	2009
I a	MH996911	Local Chicken	Bassa, Nigeria	BS/350 (N35)	2009
II vir	MH996951	West African black-Kit	Plateau, Nigeria	Jz2	13/3/2006
II_low	MH996912	Duck	Bokkos, Nigeria	BKK/497 (N27)	2010
II_low	MH996913	Quail	Nigeria	VRD17/04 (N2)	2004
II_low	MH996914	Vulture	Plateau, Nigeria	PL038 (N47)	2002/2003
II_low	MH996915	Duck	ngtang South, Nige	LTS/08 (N25)	2009
II_low	MH996916	River Eagle	Plateau, Nigeria	PL JZ04 (N49)	2002/2003
II_low	MH996917	Sparrow	Benue, Nigeria	BN08 (N50)	2002/2003
II_low	MH996947	chicken	liki, Ebonyi state, N	VRD136	2/8/2013
II_low	MH996948	chicken	, Plateau state, Nig	VRD94	13/7/2003
II_low	MH996949	chicken	, Plateau state, Nig	VRD152	2003
II_low	MH996950	chicken	Nigeria	VRD291	2008
II_vir	MH996993	chicken	ari, FCT Abuja, Nig	VRD652	27/3/2015
IV	MH092820	duck	Nigeria	Vom_1980_N55	1980
IV	MH996952	chicken	lan, Oyo state, Nig	VRD Ibadan	1973
VI g	MH996953	pigeon	zaure, Jigawa, Nige	VRD231	30/3/2007
VI h	MH996920	Quail	Jos North, Nigeria	VRD08/385 (N23)	2008
VI h	MH996979	pigeon	imel, Jigawa, Nige	VRD37A	2008
VI h	MH996992	pigeon	ara rago, Lagos, Niç	VRD32	17/1/2015
XIV b	MH996919	Turkey	Jigawa, Nigeria	JG/DT/30-31T (N18)	2009
XIV b	MH996922	Pigeon	Katsina, Nigeria	KT/MSH/15C (N2)	2009
XIV b	MH996923	Wild bird Eagle	Taraba, Nigeria	VRD09/546 (N4)	2009
XIV b	MH996927	Chicken	Kebbi, Nigeria	VRD09/340 (N50)	2009
XIV b	MH996930	Local Chicken	Jos North, Nigeria	JN/469 (N44)	2009
XIV b	MH996934	Duck	Yobe, Nigeria	YB/GSHI/07T (N5)	2009
XIV b	MH996937	Domestic Duck	Katsina, Nigeria	KT/KNK/01T (N13)	2009
XIV b	MH996938	Domestic Duck	Jigawa, Nigeria	JG/SH/47C (N15)	2009
XIV b	MH996941	Chicken	Vassarawa, Nigeria	NS/KF/06-09C (N46)	2009
XIV b	MH996942	Domestic Duck	Gombe, Nigeria	GM/GMM/17-18T (N14)	2009
XIV b	MH996943	Pigeon	Yobe, Nigeria	YB/GSH1/4-6T (N3)	2009
XIV b	MH996945	Chicken	Kano, Nigeria	VRD09/025 (N21)	2009
XIV b	MH996946	Chicken	Katsina, Nigeria	KT/JBY/09T (N40)	2009
XIV b	KC568204	Pigeon	Zamfara, Nigeria	ZM/KN/PG01 (N1)	2009
XIV b	MH996906	Chicken	Nigeria	VRD08/296A (N32)	2008
XIV b	MH996908	Chicken	Nigeria	VRD09/068 (N92)	2009
XIV b	MH996954	chicken	dubus, Bauchi, Niç	VRD255	23/7/2010
XIV b	MH996955	chicken	Niger	VRD158A	23/8/2013
XIV b	MH996956	chicken	Kaduna, Nigeria	VRD401	15/6/2006
XIV b	MH996957	chicken	armi, Taraba, Nige	VRD033	14/2/2007
XIV b	MH996958	chicken	Kwara, Nigeria	VRD415	28/9/2009

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XIV b	MH996959	chicken	om, Plateau, Niger	VRD216	22/8/2013
XIV b	MH996960	chicken	Katsina, Nigeria	KT-CH-C18-22	12/12/2008
XIV b	MH996980	chicken	ig, Jos Plateau, Ni	VRD97	30/5/2013
XIV b	MH996981	chicken	erri-west, Imo, Nig	VRD798-XIV	4/2015
XIV b	MH996986	chicken	Adamawa, Nigeria	VRD599	21/12/2009
XIV b	MH996987	chicken	Kogi, Nigeria	VRD578	21/12/2009
XIV b	MH996989	chicken	jtse, Jigawa, Niger	JG-DT-C32-36-XIV	28/8/2010
XVII a	MH996918	Domestic Duck	Bauchi, Nigeria	BA/BAU-R/07T (N17)	2009
XVII a	MH996921	Malachite Kingfisher	Adamawa, Nigeria	AD/WB/12C (N29)	2010
XVII a	MH996924	Guinea fowl	Zamfara, Nigeria	ZM/KN/GF01bC (N6)	2009
XVII a	MH996925	Chicken	Bauchi, Nigeria	BA/TFB/14C (N38)	2009
XVII a	MH996926	Chicken	Borno, Nigeria	BO/MMC/AGN/06-07T (N42)	2009
XVII a	MH996928	Chicken	Kaduna, Nigeria	KD/TW/03T (N45)	2009
XVII a	MH996929	Domestic Duck	Kogi, Nigeria	KG/LOM/11-16 (N11)	2009
XVII a	MH996931	Guinea fowl	Katsina, Nigeria	KT/MA/5-6C (N7)	2009
XVII a	MH996932	Vulture	Plateau, Nigeria	PL038 (N47)	2002/2003
XVII a	MH996933	Local Chicken	igtang South, Niger	LTS/11T (N38)	2009
XVII a	MH996935	Duck	Yobe, Nigeria	YB/GSHI/07T (N5)	2009
XVII a	MH996936	Guinea fowl	Yobe, Nigeria	YB/GSHI/9-10C (N9)	2009
XVII a	MH996939	Domestic Duck	Jigawa, Nigeria	JG/SH/47C (N15)	2009
XVII a	MH996940	Domestic Duck	Nassarawa, Nigeria	NS/KR/60-61C (N16)	2009
XVII a	MH996944	Pigeon	Yobe, Nigeria	YB/GSH1/4-6T (N3)	2009
XVII a	MH092811	Duck	Bokkos, Nigeria	BKK/497 (N27)	2010
XVII a	MH092808	Turkey	Nigeria	JN/327 (N24)	2009
XVII a	MH092809	Duck	igtang South, Niger	LTS/08 (N25)	2009
XVII a	MH092810	Duck	Kanam, Nigeria	KN/399 (N26)	2009
XVII a	MH092804	Chicken	Nigeria	VRD67/03 (N1)	2003
XVII a	MH092805	Chicken	Nigeria	VRD41/06 (N3)	2006
XVII a	MH092806	Chicken	Nigeria	VRD144/06 (N6)	2006
XVII a	MH092807	Chicken	Nigeria	VRD07/338 (N18)	2007
XVII a	MH092812	Duck	Bokkos, Nigeria	BKK/500 (N28)	2010
XVII a	MH092813	Chicken	Nigeria	VRD298/06 (N7)	2006
XVII a	MH092814	Chicken	Nigeria	VRD309/06 (N8)	2006
XVII a	MH092815	Chicken	Nigeria	VRD07/290 (N16)	2007
XVII a	MH092816	Local Chicken	Wase, Nigeria	WAS/447 (N39)	2009
XVII a	MH092817	Local Chicken	Wase, Nigeria	WAS/465 (N40)	2009
XVII a	MH092818	Local Chicken	Kanam, Nigeria	KN/448 (N45)	2009
XVII a	MH092821	Local Chicken	Jos North, Nigeria	JN/457 (N57)	2009
XVII a	MH092822	Chicken	Nigeria	VRD08/98 (N63)	2008
XVII a	MH092823	Chicken	Nigeria	VRD08/201 (N64)	2008
XVII a	MH092824	Chicken	Nigeria	VRD12/013 (N70)	2012
XVII a	MH996905	Local Chicken	Nigeria	VRD08/81 (N31)	2008
XVII a	MH996907	Local Chicken	Jos North, Nigeria	JN/458 (N36)	2009
XVII a	MH996909	Chicken	Nigeria	VRD12/210 (N100)	2012
XVII a	MH996961	chicken	, Plateau state, Nig	VRD234	15/5/2002
XVII a	MH996962	chicken	Plateau, Nigeria	VRD26	2005
XVII a	MH996963	chicken	Nigeria	VRD21	5/11/2011
XVII a	MH996964	chicken	Nigeria	VRD64	2012
XVII a	MH996965	duck	fi, Nassarawa, Nig	NS-KR-DK56-57	4/11/2010
XVII a	MH996966	chicken	zare, Bauchi, Niger	BA-AZR-C6-7	3/3/2010
XVII a	MH996967	chicken	Nigeria	VRD30	2004
XVII a	MH996968	chicken	a, Plateau state, Ni	VRD20	2004
XVII a	MH996969	chicken	Bauchi, Nigeria	VRD154	2005
XVII a	MH996970	chicken	ria, Kaduna, Niger	VRD646	2/11/2006
XVII a	MH996971	chicken	vada, Kaduna, Nig	VRD647	2/11/2006

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XVII a	MH996972	chicken	Kaduna, Nigeria	VRD122	2007
XVII a	MH996973	chicken	Katsina, Nigeria	VRD221	15/3/2007
XVII a	MH996974	chicken	Fune, Yobe, Nigeria	VRD284	17/4/2007
XVII a	MH996975	chicken	arcourt, Rivers, Nigeria	VRD289	17/4/2007
XVII a	MH996976	chicken	Gombe, Nigeria	VRD316	11/6/2008
XVII a	MH996977	chicken	Jigawa, Nigeria	JG-BR-T15	17/3/2010
XVII a	MH996978	chicken	, Plateau state, Nigeria	VRD152	2003
XVII a	MH996982	chicken	erri-west, Imo, Nigeria	VRD798-XVII	4/2015
XVII a	MH996983	chicken	asarawa, Kano, Nigeria	VRD235	13/2/2015
XVII a	MH996984	chicken	Katsina, Nigeria	KT-MG-C2-3	18/8/2011
XVII a	MH996985	chicken	Nigeria	VRD25	2005
XVII a	MH996988	chicken	fi, Nassarawa, Nigeria	NS-KF-C13-17	4/11/2010
XVII a	MH996990	chicken	itse, Jigawa, Nigeria	JG-DT-C32-36-XVII	28/8/2010
XVII a	MH996991	chicken	Katsina, Nigeria	KT-MDWT3-4	18/8/2011
XVIII b	MH392227	Chicken	Ota, Nigeria	OOT/4/1 (N69)	2009