

## LAMPIRAN 1 Daftar Virus Sampel

<i>No</i>	<i>GenBank accession number</i>	<i>Host</i>	<i>Genome segment number</i>	<i>Subtype</i>	<i>Country</i>	<i>Year</i>	<i>Sequence length</i>	<i>Virus name</i>
1	CY016794	Avian	1	H5N1	Afghanistan	2006	2306	Influenza A virus (A.chicken.Afghanistan.1207.2006(H5N1))
	CY016793	Avian	2	H5N1	Afghanistan	2006	2294	Influenza A virus (A.chicken.Afghanistan.1207.2006(H5N1))
	CY016792	Avian	3	H5N1	Afghanistan	2006	2173	Influenza A virus (A.chicken.Afghanistan.1207.2006(H5N1))
	CY016787	Avian	4	H5N1	Afghanistan	2006	1734	Influenza A virus (A.chicken.Afghanistan.1207.2006(H5N1))
	CY016790	Avian	5	H5N1	Afghanistan	2006	1522	Influenza A virus (A.chicken.Afghanistan.1207.2006(H5N1))
	CY016789	Avian	6	H5N1	Afghanistan	2006	1357	Influenza A virus (A.chicken.Afghanistan.1207.2006(H5N1))
	CY016788	Avian	7	H5N1	Afghanistan	2006	992	Influenza A virus (A.chicken.Afghanistan.1207.2006(H5N1))
	CY016791	Avian	8	H5N1	Afghanistan	2006	834	Influenza A virus (A.chicken.Afghanistan.1207.2006(H5N1))
2	CY020628	Avian	1	H5N1	Afghanistan	2006	2306	Influenza A virus (A.chicken.Afghanistan.1573-47.2006(H5N1))
	CY020627	Avian	2	H5N1	Afghanistan	2006	2296	Influenza A virus (A.chicken.Afghanistan.1573-47.2006(H5N1))
	CY020626	Avian	3	H5N1	Afghanistan	2006	2195	Influenza A virus (A.chicken.Afghanistan.1573-47.2006(H5N1))
	CY020621	Avian	4	H5N1	Afghanistan	2006	1744	Influenza A virus (A.chicken.Afghanistan.1573-47.2006(H5N1))
	CY020624	Avian	5	H5N1	Afghanistan	2006	1525	Influenza A virus (A.chicken.Afghanistan.1573-47.2006(H5N1))
	CY020623	Avian	6	H5N1	Afghanistan	2006	1358	Influenza A virus (A.chicken.Afghanistan.1573-47.2006(H5N1))
	CY020622	Avian	7	H5N1	Afghanistan	2006	992	Influenza A virus (A.chicken.Afghanistan.1573-47.2006(H5N1))
	CY020625	Avian	8	H5N1	Afghanistan	2006	832	Influenza A virus (A.chicken.Afghanistan.1573-47.2006(H5N1))
3	CY004960	Avian	1	H4N6	Canada	2003	2341	Influenza A virus (A.blue-winged teal.Alberta.293.2003(H4N6))
	CY004959	Avian	2	H4N6	Canada	2003	2341	Influenza A virus (A.blue-winged teal.Alberta.293.2003(H4N6))

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	CY004958	Avian	3	H4N6	Canada	2003	2233	Influenza A virus (A.blue-winged teal.Alberta.293.2003(H4N6))
	CY005967	Avian	4	H4N6	Canada	2003	1738	Influenza A virus (A.blue-winged teal.Alberta.293.2003(H4N6))
	CY004956	Avian	5	H4N6	Canada	2003	1565	Influenza A virus (A.blue-winged teal.Alberta.293.2003(H4N6))
	CY004955	Avian	6	H4N6	Canada	2003	1464	Influenza A virus (A.blue-winged teal.Alberta.293.2003(H4N6))
	CY004954	Avian	7	H4N6	Canada	2003	1027	Influenza A virus (A.blue-winged teal.Alberta.293.2003(H4N6))
	CY004957	Avian	8	H4N6	Canada	2003	890	Influenza A virus (A.blue-winged teal.Alberta.293.2003(H4N6))
4	FJ966963	Human	1	H1N1	USA	2009	2280	Influenza A virus (A.California.06.2009(H1N1))
	FJ966965	Human	2	H1N1	USA	2009	2274	Influenza A virus (A.California.06.2009(H1N1))
	FJ966964	Human	3	H1N1	USA	2009	2151	Influenza A virus (A.California.06.2009(H1N1))
	FJ966960	Human	4	H1N1	USA	2009	1701	Influenza A virus (A.California.06.2009(H1N1))
	FJ966961	Human	5	H1N1	USA	2009	1497	Influenza A virus (A.California.06.2009(H1N1))
	FJ971075	Human	6	H1N1	USA	2009	1410	Influenza A virus (A.California.06.2009(H1N1))
	FJ966962	Human	7	H1N1	USA	2009	982	Influenza A virus (A.California.06.2009(H1N1))
	FJ971074	Human	8	H1N1	USA	2009	863	Influenza A virus (A.California.06.2009(H1N1))
5	CY021380	Avian	1	H5N1	Afghanistan	2006	2306	Influenza A virus (A.chicken.Afghanistan.1573-7.2006(H5N1))
	CY021379	Avian	2	H5N1	Afghanistan	2006	2301	Influenza A virus (A.chicken.Afghanistan.1573-7.2006(H5N1))
	CY021378	Avian	3	H5N1	Afghanistan	2006	2191	Influenza A virus (A.chicken.Afghanistan.1573-7.2006(H5N1))
	CY021373	Avian	4	H5N1	Afghanistan	2006	1731	Influenza A virus (A.chicken.Afghanistan.1573-7.2006(H5N1))
	CY021376	Avian	5	H5N1	Afghanistan	2006	1522	Influenza A virus (A.chicken.Afghanistan.1573-7.2006(H5N1))
	CY021375	Avian	6	H5N1	Afghanistan	2006	1358	Influenza A virus (A.chicken.Afghanistan.1573-7.2006(H5N1))
	CY021374	Avian	7	H5N1	Afghanistan	2006	992	Influenza A virus (A.chicken.Afghanistan.1573-7.2006(H5N1))
	CY021377	Avian	8	H5N1	Afghanistan	2006	832	Influenza A virus (A.chicken.Afghanistan.1573-7.2006(H5N1))

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6	CY020636	Avian	1	H5N1	Afghanistan	2006	2306	Influenza A virus (A.chicken.Afghanistan.1573-65.2006(H5N1))
	CY020635	Avian	2	H5N1	Afghanistan	2006	2302	Influenza A virus (A.chicken.Afghanistan.1573-65.2006(H5N1))
	CY020634	Avian	3	H5N1	Afghanistan	2006	2191	Influenza A virus (A.chicken.Afghanistan.1573-65.2006(H5N1))
	CY020629	Avian	4	H5N1	Afghanistan	2006	1744	Influenza A virus (A.chicken.Afghanistan.1573-65.2006(H5N1))
	CY020632	Avian	5	H5N1	Afghanistan	2006	1525	Influenza A virus (A.chicken.Afghanistan.1573-65.2006(H5N1))
	CY020631	Avian	6	H5N1	Afghanistan	2006	1358	Influenza A virus (A.chicken.Afghanistan.1573-65.2006(H5N1))
	CY020630	Avian	7	H5N1	Afghanistan	2006	992	Influenza A virus (A.chicken.Afghanistan.1573-65.2006(H5N1))
	CY020633	Avian	8	H5N1	Afghanistan	2006	832	Influenza A virus (A.chicken.Afghanistan.1573-65.2006(H5N1))
7								
	CY020644	Avian	1	H5N1	Afghanistan	2006	2298	Influenza A virus (A.chicken.Afghanistan.1573-92.2006(H5N1))
	CY020643	Avian	2	H5N1	Afghanistan	2006	2302	Influenza A virus (A.chicken.Afghanistan.1573-92.2006(H5N1))
	CY020642	Avian	3	H5N1	Afghanistan	2006	2182	Influenza A virus (A.chicken.Afghanistan.1573-92.2006(H5N1))
	CY020637	Avian	4	H5N1	Afghanistan	2006	1744	Influenza A virus (A.chicken.Afghanistan.1573-92.2006(H5N1))
	CY020640	Avian	5	H5N1	Afghanistan	2006	1523	Influenza A virus (A.chicken.Afghanistan.1573-92.2006(H5N1))
	CY020639	Avian	6	H5N1	Afghanistan	2006	1358	Influenza A virus (A.chicken.Afghanistan.1573-92.2006(H5N1))
	CY020638	Avian	7	H5N1	Afghanistan	2006	992	Influenza A virus (A.chicken.Afghanistan.1573-92.2006(H5N1))
CY020641	Avian	8	H5N1	Afghanistan	2006	832	Influenza A virus (A.chicken.Afghanistan.1573-92.2006(H5N1))	
8								
	AM503067	Avian	1	H5N1	Burkina Faso	2006	2315	Influenza A virus (A.chicken.Burkina Faso.13.1.2006(H5N1))
	AM503056	Avian	2	H5N1	Burkina Faso	2006	2259	Influenza A virus (A.chicken.Burkina Faso.13.1.2006(H5N1))
	AM503046	Avian	3	H5N1	Burkina Faso	2006	2169	Influenza A virus (A.chicken.Burkina Faso.13.1.2006(H5N1))

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	AM400973	Avian	4	H5N1	Burkina Faso	2006	1690	Influenza A virus (A.chicken.Burkina Faso.13.1.2006(H5N1))
	AM503029	Avian	5	H5N1	Burkina Faso	2006	1529	Influenza A virus (A.chicken.Burkina Faso.13.1.2006(H5N1))
	AM503016	Avian	6	H5N1	Burkina Faso	2006	1329	Influenza A virus (A.chicken.Burkina Faso.13.1.2006(H5N1))
	AM503007	Avian	7	H5N1	Burkina Faso	2006	990	Influenza A virus (A.chicken.Burkina Faso.13.1.2006(H5N1))
	AM503037	Avian	8	H5N1	Burkina Faso	2006	827	Influenza A virus (A.chicken.Burkina Faso.13.1.2006(H5N1))
9	EU277840	Avian	1	H5N1	Burkina Faso	2006	2291	Influenza A virus (A.chicken.Burkina Faso.1347-16.2006(H5N1))
	EU277839	Avian	2	H5N1	Burkina Faso	2006	2274	Influenza A virus (A.chicken.Burkina Faso.1347-16.2006(H5N1))
	EU277838	Avian	3	H5N1	Burkina Faso	2006	2171	Influenza A virus (A.chicken.Burkina Faso.1347-16.2006(H5N1))
	EU277833	Avian	4	H5N1	Burkina Faso	2006	1716	Influenza A virus (A.chicken.Burkina Faso.1347-16.2006(H5N1))
	EU277836	Avian	5	H5N1	Burkina Faso	2006	1522	Influenza A virus (A.chicken.Burkina Faso.1347-16.2006(H5N1))
	EU277835	Avian	6	H5N1	Burkina Faso	2006	1350	Influenza A virus (A.chicken.Burkina Faso.1347-16.2006(H5N1))
	EU277834	Avian	7	H5N1	Burkina Faso	2006	967	Influenza A virus (A.chicken.Burkina Faso.1347-16.2006(H5N1))
	EU277837	Avian	8	H5N1	Burkina Faso	2006	819	Influenza A virus (A.chicken.Burkina Faso.1347-16.2006(H5N1))

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10	DQ351870	Avian	1	H5N1	China	2001	2280	Influenza A virus (A.chicken.Hebei.718.2001(H5N1))
	DQ351874	Avian	2	H5N1	China	2001	2274	Influenza A virus (A.chicken.Hebei.718.2001(H5N1))
	DQ351869	Avian	3	H5N1	China	2001	2151	Influenza A virus (A.chicken.Hebei.718.2001(H5N1))
	DQ343151	Avian	4	H5N1	China	2001	1707	Influenza A virus (A.chicken.Hebei.718.2001(H5N1))
	DQ351864	Avian	5	H5N1	China	2001	1497	Influenza A virus (A.chicken.Hebei.718.2001(H5N1))
	DQ349117	Avian	6	H5N1	China	2001	1410	Influenza A virus (A.chicken.Hebei.718.2001(H5N1))
	DQ351858	Avian	7	H5N1	China	2001	982	Influenza A virus (A.chicken.Hebei.718.2001(H5N1))
	DQ351863	Avian	8	H5N1	China	2001	823	Influenza A virus (A.chicken.Hebei.718.2001(H5N1))
11								
	DQ997121	Avian	1	H5N1	China	1997	2341	Influenza A virus (A.chicken.Hubei.wj.1997(H5N1))
	DQ997120	Avian	2	H5N1	China	1997	2341	Influenza A virus (A.chicken.Hubei.wj.1997(H5N1))
	DQ997118	Avian	3	H5N1	China	1997	2233	Influenza A virus (A.chicken.Hubei.wj.1997(H5N1))
	DQ997122	Avian	4	H5N1	China	1997	1779	Influenza A virus (A.chicken.Hubei.wj.1997(H5N1))
	DQ997116	Avian	5	H5N1	China	1997	1565	Influenza A virus (A.chicken.Hubei.wj.1997(H5N1))
	DQ997115	Avian	6	H5N1	China	1997	1399	Influenza A virus (A.chicken.Hubei.wj.1997(H5N1))
	DQ997119	Avian	7	H5N1	China	1997	1027	Influenza A virus (A.chicken.Hubei.wj.1997(H5N1))
DQ997117	Avian	8	H5N1	China	1997	890	Influenza A virus (A.chicken.Hubei.wj.1997(H5N1))	
12								
	DQ454106	Avian	1	H5N1	Belgium	2004	2394	Influenza A virus (A.crested eagle.Belgium.01.2004(H5N1))
	DQ454102	Avian	2	H5N1	Belgium	2004	2347	Influenza A virus (A.crested eagle.Belgium.01.2004(H5N1))
	DQ454103	Avian	3	H5N1	Belgium	2004	2238	Influenza A virus (A.crested eagle.Belgium.01.2004(H5N1))
	DQ182483	Avian	4	H5N1	Belgium	2004	1707	Influenza A virus (A.crested eagle.Belgium.01.2004(H5N1))
	FJ820116	Avian	4	H5N1	Belgium	2004	1687	Influenza A virus (A.crested eagle.Belgium.01.2004(H5N1))
FJ820117	Avian	4	H5N1	Belgium	2004	1685	Influenza A virus (A.crested eagle.Belgium.01.2004(H5N1))	

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	DQ454104	Avian	5	H5N1	Belgium	2004	1568	Influenza A virus (A.crested eagle.Belgium.01.2004(H5N1))
	DQ182482	Avian	6	H5N1	Belgium	2004	1379	Influenza A virus (A.crested eagle.Belgium.01.2004(H5N1))
	DQ256136	Avian	7	H5N1	Belgium	2004	1002	Influenza A virus (A.crested eagle.Belgium.01.2004(H5N1))
	DQ454105	Avian	8	H5N1	Belgium	2004	878	Influenza A virus (A.crested eagle.Belgium.01.2004(H5N1))
13	AF468840	Avian	1	H5N1	China	2001	2280	Influenza A virus (A.Duck.Anyang.AVL-1.2001(H5N1))
	AF468839	Avian	2	H5N1	China	2001	2280	Influenza A virus (A.Duck.Anyang.AVL-1.2001(H5N1))
	AF468841	Avian	3	H5N1	China	2001	2151	Influenza A virus (A.Duck.Anyang.AVL-1.2001(H5N1))
	AF468837	Avian	4	H5N1	China	2001	1748	Influenza A virus (A.Duck.Anyang.AVL-1.2001(H5N1))
	AF468842	Avian	5	H5N1	China	2001	1540	Influenza A virus (A.Duck.Anyang.AVL-1.2001(H5N1))
	AF468838	Avian	6	H5N1	China	2001	1367	Influenza A virus (A.Duck.Anyang.AVL-1.2001(H5N1))
	AF468843	Avian	7	H5N1	China	2001	1002	Influenza A virus (A.Duck.Anyang.AVL-1.2001(H5N1))
	AF468844	Avian	8	H5N1	China	2001	865	Influenza A virus (A.Duck.Anyang.AVL-1.2001(H5N1))
14	CY005444	Avian	1	H2N9	China	2000	2341	Influenza A virus (A.duck.Nanchang.4-184.2000(H2N9))
	CY005443	Avian	2	H2N9	China	2000	2341	Influenza A virus (A.duck.Nanchang.4-184.2000(H2N9))
	CY005442	Avian	3	H2N9	China	2000	2233	Influenza A virus (A.duck.Nanchang.4-184.2000(H2N9))
	CY014609	Avian	4	H2N9	China	2000	1773	Influenza A virus (A.duck.Nanchang.4-184.2000(H2N9))
	CY005440	Avian	5	H2N9	China	2000	1565	Influenza A virus (A.duck.Nanchang.4-184.2000(H2N9))
	CY005439	Avian	6	H2N9	China	2000	1459	Influenza A virus (A.duck.Nanchang.4-184.2000(H2N9))
	CY005438	Avian	7	H2N9	China	2000	1027	Influenza A virus (A.duck.Nanchang.4-184.2000(H2N9))
	CY005441	Avian	8	H2N9	China	2000	890	Influenza A virus (A.duck.Nanchang.4-184.2000(H2N9))
15	AF144300	Avian	1	H5N1	China	1996	2341	Influenza A virus (A.Goose.Guangdong.1.96(H5N1))

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	AF144301	Avian	2	H5N1	China	1996	2341	Influenza A virus (A.Goose.Guangdong.1.96(H5N1))
	AF144302	Avian	3	H5N1	China	1996	2233	Influenza A virus (A.Goose.Guangdong.1.96(H5N1))
	AF144305	Avian	4	H5N1	China	1996	1760	Influenza A virus (A.Goose.Guangdong.1.96(H5N1))
	AF144303	Avian	5	H5N1	China	1996	1565	Influenza A virus (A.Goose.Guangdong.1.96(H5N1))
	AF144304	Avian	6	H5N1	China	1996	1458	Influenza A virus (A.Goose.Guangdong.1.96(H5N1))
	AF144306	Avian	7	H5N1	China	1996	1027	Influenza A virus (A.Goose.Guangdong.1.96(H5N1))
	AF144307	Avian	8	H5N1	China	1996	865	Influenza A virus (A.Goose.Guangdong.1.96(H5N1))
16	AY038798	Avian	1	H5N1	China	1997	2308	Influenza A virus (A.goose.Guangdong.3.1997(H5N1))
	AY035888	Avian	2	H5N1	China	1997	2319	Influenza A virus (A.goose.Guangdong.3.1997(H5N1))
	AF380163	Avian	3	H5N1	China	1997	2184	Influenza A virus (A.goose.Guangdong.3.1997(H5N1))
	AF364334	Avian	4	H5N1	China	1997	1762	Influenza A virus (A.goose.Guangdong.3.1997(H5N1))
	AF370122	Avian	5	H5N1	China	1997	1508	Influenza A virus (A.goose.Guangdong.3.1997(H5N1))
	AF364335	Avian	6	H5N1	China	1997	1417	Influenza A virus (A.goose.Guangdong.3.1997(H5N1))
	AF359560	Avian	7	H5N1	China	1997	985	Influenza A virus (A.goose.Guangdong.3.1997(H5N1))
	AY028445	Avian	8	H5N1	China	1997	860	Influenza A virus (A.goose.Guangdong.3.1997(H5N1))
17	EU277848	Avian	1	H5N1	Burkina Faso	2006	2280	Influenza A virus (A.guinea fowl.Burkina Faso.1347-20.2006(H5N1))
	EU277847	Avian	2	H5N1	Burkina Faso	2006	2277	Influenza A virus (A.guinea fowl.Burkina Faso.1347-20.2006(H5N1))
	EU277846	Avian	3	H5N1	Burkina Faso	2006	2176	Influenza A virus (A.guinea fowl.Burkina Faso.1347-20.2006(H5N1))
	EU277841	Avian	4	H5N1	Burkina Faso	2006	1715	Influenza A virus (A.guinea fowl.Burkina Faso.1347-20.2006(H5N1))

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	EU277844	Avian	5	H5N1	Burkina Faso	2006	1522	Influenza A virus (A.guinea fowl.Burkina Faso.1347-20.2006(H5N1))
	EU277843	Avian	6	H5N1	Burkina Faso	2006	1350	Influenza A virus (A.guinea fowl.Burkina Faso.1347-20.2006(H5N1))
	EU277842	Avian	7	H5N1	Burkina Faso	2006	976	Influenza A virus (A.guinea fowl.Burkina Faso.1347-20.2006(H5N1))
	EU277845	Avian	8	H5N1	Burkina Faso	2006	803	Influenza A virus (A.guinea fowl.Burkina Faso.1347-20.2006(H5N1))
18	CY005865	Avian	1	H13N6	USA	1980	2341	Influenza A virus (A.gull.Minnesota.945.1980(H13N6))
	CY005864	Avian	2	H13N6	USA	1980	2341	Influenza A virus (A.gull.Minnesota.945.1980(H13N6))
	CY005863	Avian	3	H13N6	USA	1980	2233	Influenza A virus (A.gull.Minnesota.945.1980(H13N6))
	CY014720	Avian	4	H13N6	USA	1980	1766	Influenza A virus (A.gull.Minnesota.945.1980(H13N6))
	CY005861	Avian	5	H13N6	USA	1980	1565	Influenza A virus (A.gull.Minnesota.945.1980(H13N6))
	M30757	Avian	5	H13N6	USA	1980	1565	Influenza A virus (A.gull.Minnesota.945.1980(H13N6))
	CY005860	Avian	6	H13N6	USA	1980	1468	Influenza A virus (A.gull.Minnesota.945.1980(H13N6))
	CY005859	Avian	7	H13N6	USA	1980	1027	Influenza A virus (A.gull.Minnesota.945.1980(H13N6))
	CY005862	Avian	8	H13N6	USA	1980	890	Influenza A virus (A.gull.Minnesota.945.1980(H13N6))
	U96738	Avian	8	H13N6	USA	1980	865	Influenza A virus (A.gull.Minnesota.945.1980(H13N6))
19	AM503066	Avian	1	H5N1	Burkina Faso	2006	2315	Influenza A virus (A.hooded vulture.Burkina Faso.2.2006(H5N1))
	AM503062	Avian	2	H5N1	Burkina Faso	2006	2259	Influenza A virus (A.hooded vulture.Burkina Faso.2.2006(H5N1))
	AM503048	Avian	3	H5N1	Burkina Faso	2006	2169	Influenza A virus (A.hooded vulture.Burkina Faso.2.2006(H5N1))



LAMPIRAN 1 Daftar Virus sampel (Lanjutan)

	AM400972	Avian	4	H5N1	Burkina Faso	2006	1725	Influenza A virus (A.hooded vulture.Burkina Faso.2.2006(H5N1))
	AM503027	Avian	5	H5N1	Burkina Faso	2006	1499	Influenza A virus (A.hooded vulture.Burkina Faso.2.2006(H5N1))
	AM503017	Avian	6	H5N1	Burkina Faso	2006	1336	Influenza A virus (A.hooded vulture.Burkina Faso.2.2006(H5N1))
	AM503006	Avian	7	H5N1	Burkina Faso	2006	977	Influenza A virus (A.hooded vulture.Burkina Faso.2.2006(H5N1))
	AM503039	Avian	8	H5N1	Burkina Faso	2006	827	Influenza A virus (A.hooded vulture.Burkina Faso.2.2006(H5N1))
20	EF392844	Avian	1	H5N1	Canada	2005	2341	Influenza A virus (A.mallard.ON.499.2005(H5N1))
	EF517399	Avian	2	H5N1	Canada	2005	2357	Influenza A virus (A.mallard.ON.499.2005(H5N1))
	EF530048	Avian	3	H5N1	Canada	2005	2233	Influenza A virus (A.mallard.ON.499.2005(H5N1))
	EF405825	Avian	4	H5N1	Canada	2005	1767	Influenza A virus (A.mallard.ON.499.2005(H5N1))
	EF491876	Avian	4	H5N1	Canada	2005	1766	Influenza A virus (A.mallard.ON.499.2005(H5N1))
	EF418187	Avian	5	H5N1	Canada	2005	1564	Influenza A virus (A.mallard.ON.499.2005(H5N1))
	EF564746	Avian	6	H5N1	Canada	2005	1458	Influenza A virus (A.mallard.ON.499.2005(H5N1))
	EF221765	Avian	7	H5N1	Canada	2005	1027	Influenza A virus (A.mallard.ON.499.2005(H5N1))
	EF212862	Avian	8	H5N1	Canada	2005	890	Influenza A virus (A.mallard.ON.499.2005(H5N1))
21	CY008715	Human	1	H3N2	USA	1985	2306	Influenza A virus (A.Memphis.7.1985(H3N2))
	CY008714	Human	2	H3N2	USA	1985	2309	Influenza A virus (A.Memphis.7.1985(H3N2))
	CY008713	Human	3	H3N2	USA	1985	2185	Influenza A virus (A.Memphis.7.1985(H3N2))
	CY008708	Human	4	H3N2	USA	1985	1721	Influenza A virus (A.Memphis.7.1985(H3N2))
	CY008711	Human	5	H3N2	USA	1985	1522	Influenza A virus (A.Memphis.7.1985(H3N2))

LAMPIRAN 1 Daftar Virus sampel (Lanjutan)

	CY008710	Human	6	H3N2	USA	1985	1434	Influenza A virus (A.Memphis.7.1985(H3N2))
	CY008709	Human	7	H3N2	USA	1985	988	Influenza A virus (A.Memphis.7.1985(H3N2))
	CY008712	Human	8	H3N2	USA	1985	856	Influenza A virus (A.Memphis.7.1985(H3N2))
22	CY004867	Avian	1	H4N6	USA	1988	2341	Influenza A virus (A.ruddy turnstone.DE.512.1988(H4N6))
	CY004866	Avian	2	H4N6	USA	1988	2341	Influenza A virus (A.ruddy turnstone.DE.512.1988(H4N6))
	CY004865	Avian	3	H4N6	USA	1988	2233	Influenza A virus (A.ruddy turnstone.DE.512.1988(H4N6))
	CY005962	Avian	4	H4N6	USA	1988	1738	Influenza A virus (A.ruddy turnstone.DE.512.1988(H4N6))
	CY004863	Avian	5	H4N6	USA	1988	1565	Influenza A virus (A.ruddy turnstone.DE.512.1988(H4N6))
	CY004862	Avian	6	H4N6	USA	1988	1465	Influenza A virus (A.ruddy turnstone.DE.512.1988(H4N6))
	CY004861	Avian	7	H4N6	USA	1988	1027	Influenza A virus (A.ruddy turnstone.DE.512.1988(H4N6))
	CY004864	Avian	8	H4N6	USA	1988	890	Influenza A virus (A.ruddy turnstone.DE.512.1988(H4N6))
23	CY038510	Human	1	H3N2	Italy	1995	2283	Influenza A virus (A.Siena.3.1995(H3N2))
	CY038509	Human	2	H3N2	Italy	1995	2286	Influenza A virus (A.Siena.3.1995(H3N2))
	CY038508	Human	3	H3N2	Italy	1995	2169	Influenza A virus (A.Siena.3.1995(H3N2))
	CY038503	Human	4	H3N2	Italy	1995	1713	Influenza A virus (A.Siena.3.1995(H3N2))
	CY038506	Human	5	H3N2	Italy	1995	1500	Influenza A virus (A.Siena.3.1995(H3N2))
	CY038505	Human	6	H3N2	Italy	1995	1422	Influenza A virus (A.Siena.3.1995(H3N2))
	CY038504	Human	7	H3N2	Italy	1995	985	Influenza A virus (A.Siena.3.1995(H3N2))
	CY038507	Human	8	H3N2	Italy	1995	841	Influenza A virus (A.Siena.3.1995(H3N2))
24	DQ469995	Avian	1	H3N2	Canada	2005	2280	Influenza A virus (A.turkey.Ontario.31232.2005(H3N2))
	DQ469996	Avian	2	H3N2	Canada	2005	2274	Influenza A virus (A.turkey.Ontario.31232.2005(H3N2))

LAMPIRAN 1 Daftar Virus sampel (Lanjutan)

	DQ469997	Avian	3	H3N2	Canada	2005	2151	Influenza A virus (A.turkey.Ontario.31232.2005(H3N2))
	DQ470002	Avian	4	H3N2	Canada	2005	1701	Influenza A virus (A.turkey.Ontario.31232.2005(H3N2))
	DQ469999	Avian	5	H3N2	Canada	2005	1515	Influenza A virus (A.turkey.Ontario.31232.2005(H3N2))
	DQ470000	Avian	6	H3N2	Canada	2005	1410	Influenza A virus (A.turkey.Ontario.31232.2005(H3N2))
	DQ470001	Avian	7	H3N2	Canada	2005	982	Influenza A virus (A.turkey.Ontario.31232.2005(H3N2))
	DQ469998	Avian	8	H3N2	Canada	2005	838	Influenza A virus (A.turkey.Ontario.31232.2005(H3N2))
25	CY005559	Avian	1	H3N2	Hong Kong	1975	2341	Influenza A virus (A.duck.Hong Kong.7.1975(H3N2))
	CY005558	Avian	2	H3N2	Hong Kong	1975	2341	Influenza A virus (A.duck.Hong Kong.7.1975(H3N2))
	CY005557	Avian	3	H3N2	Hong Kong	1975	2233	Influenza A virus (A.duck.Hong Kong.7.1975(H3N2))
	CY006026	Avian	4	H3N2	Hong Kong	1975	1765	Influenza A virus (A.duck.Hong Kong.7.1975(H3N2))
	CY005555	Avian	5	H3N2	Hong Kong	1975	1565	Influenza A virus (A.duck.Hong Kong.7.1975(H3N2))
	CY005554	Avian	6	H3N2	Hong Kong	1975	1466	Influenza A virus (A.duck.Hong Kong.7.1975(H3N2))
	CY005553	Avian	7	H3N2	Hong Kong	1975	1027	Influenza A virus (A.duck.Hong Kong.7.1975(H3N2))
	CY005556	Avian	8	H3N2	Hong Kong	1975	890	Influenza A virus (A.duck.Hong Kong.7.1975(H3N2))
26	CY003071	Human	1	H3N2	USA	1990	2321	Influenza A virus (A.Memphis.1.1990(H3N2))
	CY003070	Human	2	H3N2	USA	1990	2313	Influenza A virus (A.Memphis.1.1990(H3N2))
	CY003069	Human	3	H3N2	USA	1990	2198	Influenza A virus (A.Memphis.1.1990(H3N2))
	CY003064	Human	4	H3N2	USA	1990	1763	Influenza A virus (A.Memphis.1.1990(H3N2))
	CY003067	Human	5	H3N2	USA	1990	1516	Influenza A virus (A.Memphis.1.1990(H3N2))
	CY003066	Human	6	H3N2	USA	1990	1425	Influenza A virus (A.Memphis.1.1990(H3N2))
	CY003065	Human	7	H3N2	USA	1990	1013	Influenza A virus (A.Memphis.1.1990(H3N2))
	CY003068	Human	8	H3N2	USA	1990	858	Influenza A virus (A.Memphis.1.1990(H3N2))

LAMPIRAN 1 Daftar Virus sampel (Lanjutan)

27	EF587274	Human	1	H5N1	China	2003	2341	Influenza A virus (A.Beijing.01.2003(H5N1))
	EF587275	Human	2	H5N1	China	2003	2341	Influenza A virus (A.Beijing.01.2003(H5N1))
	EF587276	Human	3	H5N1	China	2003	2233	Influenza A virus (A.Beijing.01.2003(H5N1))
	EF587277	Human	4	H5N1	China	2003	1779	Influenza A virus (A.Beijing.01.2003(H5N1))
	EF587278	Human	5	H5N1	China	2003	1566	Influenza A virus (A.Beijing.01.2003(H5N1))
	EF587279	Human	6	H5N1	China	2003	1399	Influenza A virus (A.Beijing.01.2003(H5N1))
	EF587280	Human	7	H5N1	China	2003	1027	Influenza A virus (A.Beijing.01.2003(H5N1))
	EF587281	Human	8	H5N1	China	2003	875	Influenza A virus (A.Beijing.01.2003(H5N1))
28	EU434701	Human	1	H5N1	China	2007	2280	Influenza A virus (A.Jiangsu.2.2007(H5N1))
	EU434700	Human	2	H5N1	China	2007	2274	Influenza A virus (A.Jiangsu.2.2007(H5N1))
	EU434699	Human	3	H5N1	China	2007	2151	Influenza A virus (A.Jiangsu.2.2007(H5N1))
	EU434694	Human	4	H5N1	China	2007	1704	Influenza A virus (A.Jiangsu.2.2007(H5N1))
	EU434697	Human	5	H5N1	China	2007	1497	Influenza A virus (A.Jiangsu.2.2007(H5N1))
	EU434696	Human	6	H5N1	China	2007	1350	Influenza A virus (A.Jiangsu.2.2007(H5N1))
	EU434695	Human	7	H5N1	China	2007	982	Influenza A virus (A.Jiangsu.2.2007(H5N1))
	EU434698	Human	8	H5N1	China	2007	823	Influenza A virus (A.Jiangsu.2.2007(H5N1))
29	EU146808	Human	1	H5N1	Indonesia	2006	2245	Influenza A virus (A.Indonesia.604H.2006(H5N1))
	EU146831	Human	2	H5N1	Indonesia	2006	2279	Influenza A virus (A.Indonesia.604H.2006(H5N1))
	EU146830	Human	3	H5N1	Indonesia	2006	2151	Influenza A virus (A.Indonesia.604H.2006(H5N1))
	EU146825	Human	4	H5N1	Indonesia	2006	1680	Influenza A virus (A.Indonesia.604H.2006(H5N1))
	EU146828	Human	5	H5N1	Indonesia	2006	1494	Influenza A virus (A.Indonesia.604H.2006(H5N1))

LAMPIRAN 1 Daftar Virus sampel (Lanjutan)

	EU146827	Human	6	H5N1	Indonesia	2006	1319	Influenza A virus (A.Indonesia.604H.2006(H5N1))
	EU146826	Human	7	H5N1	Indonesia	2006	978	Influenza A virus (A.Indonesia.604H.2006(H5N1))
	EU146829	Human	8	H5N1	Indonesia	2006	831	Influenza A virus (A.Indonesia.604H.2006(H5N1))
30	CY029508	Avian	1	H5N1	Viet Nam	2005	2233	Influenza A virus (A.duck.Vietnam.1228.2005(H5N1))
	CY029509	Avian	2	H5N1	Viet Nam	2005	2258	Influenza A virus (A.duck.Vietnam.1228.2005(H5N1))
	CY029510	Avian	3	H5N1	Viet Nam	2005	2203	Influenza A virus (A.duck.Vietnam.1228.2005(H5N1))
	CY029511	Avian	4	H5N1	Viet Nam	2005	1685	Influenza A virus (A.duck.Vietnam.1228.2005(H5N1))
	CY029512	Avian	5	H5N1	Viet Nam	2005	1507	Influenza A virus (A.duck.Vietnam.1228.2005(H5N1))
	CY029513	Avian	6	H5N1	Viet Nam	2005	1363	Influenza A virus (A.duck.Vietnam.1228.2005(H5N1))
	CY029514	Avian	7	H5N1	Viet Nam	2005	991	Influenza A virus (A.duck.Vietnam.1228.2005(H5N1))
	CY029515	Avian	8	H5N1	Viet Nam	2005	839	Influenza A virus (A.duck.Vietnam.1228.2005(H5N1))
31	CY005685	Avian	1	H4N6	Australia	1979	2341	Influenza A virus (A.gray teal.Australia.3.1979(H4N6))
	CY014626	Avian	2	H4N6	Australia	1979	2341	Influenza A virus (A.gray teal.Australia.3.1979(H4N6))
	CY005684	Avian	3	H4N6	Australia	1979	2233	Influenza A virus (A.gray teal.Australia.3.1979(H4N6))
	CY005679	Avian	4	H4N6	Australia	1979	1738	Influenza A virus (A.gray teal.Australia.3.1979(H4N6))
	CY005682	Avian	5	H4N6	Australia	1979	1571	Influenza A virus (A.gray teal.Australia.3.1979(H4N6))
	CY005681	Avian	6	H4N6	Australia	1979	1464	Influenza A virus (A.gray teal.Australia.3.1979(H4N6))
	CY005680	Avian	7	H4N6	Australia	1979	1027	Influenza A virus (A.gray teal.Australia.3.1979(H4N6))
	CY005683	Avian	8	H4N6	Australia	1979	890	Influenza A virus (A.gray teal.Australia.3.1979(H4N6))
32	CY021228	Avian	1	H4N6	USA	2005	2307	Influenza A virus (A.blue-winged teal.Ohio.1339.2005(H4N6))
	CY021227	Avian	2	H4N6	USA	2005	2309	Influenza A virus (A.blue-winged teal.Ohio.1339.2005(H4N6))

LAMPIRAN 1 Daftar Virus sampel (Lanjutan)

	CY021226	Avian	3	H4N6	USA	2005	2192	Influenza A virus (A.blue-winged teal.Ohio.1339.2005(H4N6))
	CY021221	Avian	4	H4N6	USA	2005	1708	Influenza A virus (A.blue-winged teal.Ohio.1339.2005(H4N6))
	CY021224	Avian	5	H4N6	USA	2005	1529	Influenza A virus (A.blue-winged teal.Ohio.1339.2005(H4N6))
	CY021223	Avian	6	H4N6	USA	2005	1425	Influenza A virus (A.blue-winged teal.Ohio.1339.2005(H4N6))
	CY021222	Avian	7	H4N6	USA	2005	992	Influenza A virus (A.blue-winged teal.Ohio.1339.2005(H4N6))
	CY021225	Avian	8	H4N6	USA	2005	855	Influenza A virus (A.blue-winged teal.Ohio.1339.2005(H4N6))
33	AB304144	Avian	1	H4N6	Japan	2004	2341	Influenza A virus (A.duck.Shiga.8.2004(H4N6))
	AB304145	Avian	2	H4N6	Japan	2004	2341	Influenza A virus (A.duck.Shiga.8.2004(H4N6))
	AB304146	Avian	3	H4N6	Japan	2004	2233	Influenza A virus (A.duck.Shiga.8.2004(H4N6))
	AB304147	Avian	4	H4N6	Japan	2004	1738	Influenza A virus (A.duck.Shiga.8.2004(H4N6))
	AB304148	Avian	5	H4N6	Japan	2004	1565	Influenza A virus (A.duck.Shiga.8.2004(H4N6))
	AB304149	Avian	6	H4N6	Japan	2004	1463	Influenza A virus (A.duck.Shiga.8.2004(H4N6))
	AB304150	Avian	7	H4N6	Japan	2004	1027	Influenza A virus (A.duck.Shiga.8.2004(H4N6))
	AB304151	Avian	8	H4N6	Japan	2004	890	Influenza A virus (A.duck.Shiga.8.2004(H4N6))
34	CY003862	Avian	1	H2N9	Canada	1977	2341	Influenza A virus (A.pintail.Alberta.293.1977(H2N9))
	CY003861	Avian	2	H2N9	Canada	1977	2341	Influenza A virus (A.pintail.Alberta.293.1977(H2N9))
	CY003860	Avian	3	H2N9	Canada	1977	2233	Influenza A virus (A.pintail.Alberta.293.1977(H2N9))
	CY003855	Avian	4	H2N9	Canada	1977	1772	Influenza A virus (A.pintail.Alberta.293.1977(H2N9))
	CY003858	Avian	5	H2N9	Canada	1977	1565	Influenza A virus (A.pintail.Alberta.293.1977(H2N9))
	CY003857	Avian	6	H2N9	Canada	1977	1460	Influenza A virus (A.pintail.Alberta.293.1977(H2N9))
	CY003856	Avian	7	H2N9	Canada	1977	1027	Influenza A virus (A.pintail.Alberta.293.1977(H2N9))
	CY003859	Avian	8	H2N9	Canada	1977	890	Influenza A virus (A.pintail.Alberta.293.1977(H2N9))

LAMPIRAN 1 Daftar Virus sampel (Lanjutan)

35	AB284985	Avian	1	H13N6	Russia	1998	2295	Influenza A virus (A.duck.Siberia.272.1998(H13N6))
	AB284986	Avian	2	H13N6	Russia	1998	2304	Influenza A virus (A.duck.Siberia.272.1998(H13N6))
	AB284987	Avian	3	H13N6	Russia	1998	2189	Influenza A virus (A.duck.Siberia.272.1998(H13N6))
	AB284988	Avian	4	H13N6	Russia	1998	1732	Influenza A virus (A.duck.Siberia.272.1998(H13N6))
	AB284989	Avian	5	H13N6	Russia	1998	1530	Influenza A virus (A.duck.Siberia.272.1998(H13N6))
	AB284990	Avian	6	H13N6	Russia	1998	1423	Influenza A virus (A.duck.Siberia.272.1998(H13N6))
	AB284991	Avian	7	H13N6	Russia	1998	989	Influenza A virus (A.duck.Siberia.272.1998(H13N6))
	AB285090	Avian	8	H13N6	Russia	1998	851	Influenza A virus (A.duck.Siberia.272.1998(H13N6))
36	CY033321	Avian	1	H3N7	USA	2007	2341	Influenza A virus (A.northern shoveler.California.HKWF1021.2007(H3N7))
	CY033322	Avian	2	H3N7	USA	2007	2341	Influenza A virus (A.northern shoveler.California.HKWF1021.2007(H3N7))
	CY033323	Avian	3	H3N7	USA	2007	2233	Influenza A virus (A.northern shoveler.California.HKWF1021.2007(H3N7))
	CY033324	Avian	4	H3N7	USA	2007	1765	Influenza A virus (A.northern shoveler.California.HKWF1021.2007(H3N7))
	CY033325	Avian	5	H3N7	USA	2007	1565	Influenza A virus (A.northern shoveler.California.HKWF1021.2007(H3N7))
	CY033326	Avian	6	H3N7	USA	2007	1462	Influenza A virus (A.northern shoveler.California.HKWF1021.2007(H3N7))
	CY033327	Avian	7	H3N7	USA	2007	1027	Influenza A virus (A.northern shoveler.California.HKWF1021.2007(H3N7))
	CY033328	Avian	8	H3N7	USA	2007	890	Influenza A virus (A.northern shoveler.California.HKWF1021.2007(H3N7))
37	CY016147	Avian	1	H3N8	USA	1987	2310	Influenza A virus (A.pintail.Ohio.454.1987(H3N8))

LAMPIRAN 1 Daftar Virus sampel (Lanjutan)

	CY016146	Avian	2	H3N8	USA	1987	2309	Influenza A virus (A.pintail.Ohio.454.1987(H3N8))
	CY016145	Avian	3	H3N8	USA	1987	2201	Influenza A virus (A.pintail.Ohio.454.1987(H3N8))
	CY016140	Avian	4	H3N8	USA	1987	1731	Influenza A virus (A.pintail.Ohio.454.1987(H3N8))
	CY016143	Avian	5	H3N8	USA	1987	1534	Influenza A virus (A.pintail.Ohio.454.1987(H3N8))
	CY016142	Avian	6	H3N8	USA	1987	1424	Influenza A virus (A.pintail.Ohio.454.1987(H3N8))
	CY016141	Avian	7	H3N8	USA	1987	991	Influenza A virus (A.pintail.Ohio.454.1987(H3N8))
	CY016144	Avian	8	H3N8	USA	1987	855	Influenza A virus (A.pintail.Ohio.454.1987(H3N8))
38	CY011035	Avian	1	H3N8	USA	2002	2304	Influenza A virus (A.blue-winged teal.Ohio.926.2002(H3N8))
	CY011034	Avian	2	H3N8	USA	2002	2290	Influenza A virus (A.blue-winged teal.Ohio.926.2002(H3N8))
	CY011033	Avian	3	H3N8	USA	2002	2197	Influenza A virus (A.blue-winged teal.Ohio.926.2002(H3N8))
	CY011028	Avian	4	H3N8	USA	2002	1731	Influenza A virus (A.blue-winged teal.Ohio.926.2002(H3N8))
	CY011031	Avian	5	H3N8	USA	2002	1529	Influenza A virus (A.blue-winged teal.Ohio.926.2002(H3N8))
	CY011030	Avian	6	H3N8	USA	2002	1434	Influenza A virus (A.blue-winged teal.Ohio.926.2002(H3N8))
	CY011029	Avian	7	H3N8	USA	2002	982	Influenza A virus (A.blue-winged teal.Ohio.926.2002(H3N8))
	CY011032	Avian	8	H3N8	USA	2002	854	Influenza A virus (A.blue-winged teal.Ohio.926.2002(H3N8))
39	CY017780	Avian	1	H3N8	USA	2005	2299	Influenza A virus (A.longtail duck.Maryland.291.2005(H3N8))
	CY017779	Avian	2	H3N8	USA	2005	2294	Influenza A virus (A.longtail duck.Maryland.291.2005(H3N8))
	CY017778	Avian	3	H3N8	USA	2005	2200	Influenza A virus (A.longtail duck.Maryland.291.2005(H3N8))
	CY017773	Avian	4	H3N8	USA	2005	1728	Influenza A virus (A.longtail duck.Maryland.291.2005(H3N8))
	CY017776	Avian	5	H3N8	USA	2005	1533	Influenza A virus (A.longtail duck.Maryland.291.2005(H3N8))
	CY017775	Avian	6	H3N8	USA	2005	1423	Influenza A virus (A.longtail duck.Maryland.291.2005(H3N8))
	CY017774	Avian	7	H3N8	USA	2005	982	Influenza A virus (A.longtail duck.Maryland.291.2005(H3N8))



LAMPIRAN 1 Daftar Virus sampel (Lanjutan)

	CY017777	Avian	8	H3N8	USA	2005	851	Influenza A virus (A.longtail duck.Maryland.291.2005(H3N8))
40	EF655853	Avian	1	H3N8	USA	2005	2341	Influenza A virus (A.pintail.Barrow.155.2005(H3N8))
	EF655852	Avian	2	H3N8	USA	2005	2262	Influenza A virus (A.pintail.Barrow.155.2005(H3N8))
	EF655851	Avian	3	H3N8	USA	2005	2234	Influenza A virus (A.pintail.Barrow.155.2005(H3N8))
	EF655846	Avian	4	H3N8	USA	2005	1765	Influenza A virus (A.pintail.Barrow.155.2005(H3N8))
	EF655849	Avian	5	H3N8	USA	2005	1565	Influenza A virus (A.pintail.Barrow.155.2005(H3N8))
	EF655848	Avian	6	H3N8	USA	2005	1460	Influenza A virus (A.pintail.Barrow.155.2005(H3N8))
	EF655847	Avian	7	H3N8	USA	2005	1027	Influenza A virus (A.pintail.Barrow.155.2005(H3N8))
	EF655850	Avian	8	H3N8	USA	2005	890	Influenza A virus (A.pintail.Barrow.155.2005(H3N8))
41	CY015507	Avian	1	H3N8	USA	2005	2301	Influenza A virus (A.pintail.Alaska.279.2005(H3N8))
	CY015506	Avian	2	H3N8	USA	2005	2299	Influenza A virus (A.pintail.Alaska.279.2005(H3N8))
	CY015505	Avian	3	H3N8	USA	2005	2205	Influenza A virus (A.pintail.Alaska.279.2005(H3N8))
	CY015500	Avian	4	H3N8	USA	2005	1731	Influenza A virus (A.pintail.Alaska.279.2005(H3N8))
	CY015503	Avian	5	H3N8	USA	2005	1534	Influenza A virus (A.pintail.Alaska.279.2005(H3N8))
	CY015502	Avian	6	H3N8	USA	2005	1426	Influenza A virus (A.pintail.Alaska.279.2005(H3N8))
	CY015501	Avian	7	H3N8	USA	2005	982	Influenza A virus (A.pintail.Alaska.279.2005(H3N8))
	CY015504	Avian	8	H3N8	USA	2005	855	Influenza A virus (A.pintail.Alaska.279.2005(H3N8))
42	CY038367	Avian	1	H4N8	USA	2007	2341	Influenza A virus (A.northern pintail.Interior Alaska.2.2007(H4N8))
	CY038368	Avian	2	H4N8	USA	2007	2341	Influenza A virus (A.northern pintail.Interior Alaska.2.2007(H4N8))
	CY038369	Avian	3	H4N8	USA	2007	2233	Influenza A virus (A.northern pintail.Interior Alaska.2.2007(H4N8))
	CY038370	Avian	4	H4N8	USA	2007	1738	Influenza A virus (A.northern pintail.Interior Alaska.2.2007(H4N8))

LAMPIRAN 1 Daftar Virus sampel (Lanjutan)

	CY038371	Avian	5	H4N8	USA	2007	1565	Influenza A virus (A.northern pintail.Interior Alaska.2.2007(H4N8))
	CY038372	Avian	6	H4N8	USA	2007	1460	Influenza A virus (A.northern pintail.Interior Alaska.2.2007(H4N8))
	CY038373	Avian	7	H4N8	USA	2007	1027	Influenza A virus (A.northern pintail.Interior Alaska.2.2007(H4N8))
	CY038374	Avian	8	H4N8	USA	2007	890	Influenza A virus (A.northern pintail.Interior Alaska.2.2007(H4N8))
43	EU880827	Avian	1	H4N8	USA	2005	2316	Influenza A virus (A.turkey.CA.358533.2005(H4N8))
	EU880826	Avian	2	H4N8	USA	2005	2316	Influenza A virus (A.turkey.CA.358533.2005(H4N8))
	EU880825	Avian	3	H4N8	USA	2005	2208	Influenza A virus (A.turkey.CA.358533.2005(H4N8))
	EU880820	Avian	4	H4N8	USA	2005	1714	Influenza A virus (A.turkey.CA.358533.2005(H4N8))
	EU880823	Avian	5	H4N8	USA	2005	1540	Influenza A virus (A.turkey.CA.358533.2005(H4N8))
	EU880822	Avian	6	H4N8	USA	2005	1435	Influenza A virus (A.turkey.CA.358533.2005(H4N8))
	EU880821	Avian	7	H4N8	USA	2005	1002	Influenza A virus (A.turkey.CA.358533.2005(H4N8))
	EU880824	Avian	8	H4N8	USA	2005	865	Influenza A virus (A.turkey.CA.358533.2005(H4N8))
44	CY028258	Avian	1	H4N8	Australia	2002	2307	Influenza A virus (A.duck.Victoria.5384.2002(H4N8))
	CY028257	Avian	2	H4N8	Australia	2002	2309	Influenza A virus (A.duck.Victoria.5384.2002(H4N8))
	CY028256	Avian	3	H4N8	Australia	2002	2193	Influenza A virus (A.duck.Victoria.5384.2002(H4N8))
	CY028251	Avian	4	H4N8	Australia	2002	1704	Influenza A virus (A.duck.Victoria.5384.2002(H4N8))
	CY028254	Avian	5	H4N8	Australia	2002	1531	Influenza A virus (A.duck.Victoria.5384.2002(H4N8))
	CY028253	Avian	6	H4N8	Australia	2002	1419	Influenza A virus (A.duck.Victoria.5384.2002(H4N8))
	CY028252	Avian	7	H4N8	Australia	2002	998	Influenza A virus (A.duck.Victoria.5384.2002(H4N8))
	CY028255	Avian	8	H4N8	Australia	2002	855	Influenza A virus (A.duck.Victoria.5384.2002(H4N8))
45	CY004783	Avian	1	H4N8	Canada	1977	2341	Influenza A virus (A.pintail duck.ALB.220.1977(H4N8))

LAMPIRAN 1 Daftar Virus sampel (Lanjutan)

	CY004782	Avian	2	H4N8	Canada	1977	2341	Influenza A virus (A.pintail duck.ALB.220.1977(H4N8))
	CY004781	Avian	3	H4N8	Canada	1977	2233	Influenza A virus (A.pintail duck.ALB.220.1977(H4N8))
	CY005952	Avian	4	H4N8	Canada	1977	1738	Influenza A virus (A.pintail duck.ALB.220.1977(H4N8))
	CY004779	Avian	5	H4N8	Canada	1977	1565	Influenza A virus (A.pintail duck.ALB.220.1977(H4N8))
	CY004778	Avian	6	H4N8	Canada	1977	1460	Influenza A virus (A.pintail duck.ALB.220.1977(H4N8))
	CY004777	Avian	7	H4N8	Canada	1977	1027	Influenza A virus (A.pintail duck.ALB.220.1977(H4N8))
	CY004780	Avian	8	H4N8	Canada	1977	890	Influenza A virus (A.pintail duck.ALB.220.1977(H4N8))
46	NC_010319		1					Abaca bunchy top virus
	NC_010315		2					Abaca bunchy top virus
	NC_010316		3					Abaca bunchy top virus
	NC_010317		4					Abaca bunchy top virus
	NC_010318		5					Abaca bunchy top virus
	NC_010314		6					Abaca bunchy top virus
47	NC_011646		1					Abalone shriveling syndrome-associated virus (+/-)
48	NC_004290		1					Acheta domesticus densovirus (+/-)
49	NC_001447		1					Acholeplasma phage L2
50	NC_009452		1					Acidianus bottle-shaped virus(+/-)
51	NC_002077		1					Adeno-associated virus 1

LAMPIRAN 1 Daftar Virus sampel (Lanjutan)

52	NC_001401		1					Adeno-associated virus - 2
53	NC_001729		1					Adeno-associated virus 3
54	NC_001829		1					Adeno-associated virus 4
55	NC_006152		1					Adeno-associated virus 5
56	NC_011523		1					Bacillus phage AP50
57	NC_003434		1					Ageratum enation virus (+/-)
58	NC_012519		1					African oil palm ringspot virus
59	NC_005903		1					Agropyron mosaic virus
60	NC_001918		1					Aichi virus
61	NC_001662		1					Aleutian mink disease parvovirus
62	NC_010736		1					Algerian watermelon mosaic virus
63	NC_004355		1					Alkhurma virus

LAMPIRAN 1 Daftar Virus sampel (Lanjutan)

64	NC_012211		1					Allium virus X
65	NC_007731		1					Alternanthera mosaic virus
66	NC_001786		1					Barmah Forest virus
67	NC_010437		1					Bat coronavirus 1A
68	NC_009695		1					Bat SARS CoV Rf1/2004
69	NC_008558		1					Blackberry virus Y
70	NC_003679		1					Border disease virus X818

## LAMPIRAN 2 Hasil Pengukuran Virus H5N1 Dengan Virus H5N1 Lainnya

No. Virus	Panjang	Basa Pertama				Basa Kedua				Basa Ketiga			
		T	C	G	A	T	C	G	A	T	C	G	A
001	12696	0.168242	0.168242	0.361531	0.301985	0.276465	0.208176	0.315926	0.199433	0.241493	0.207703	0.308129	0.242675
002	12696	0.168006	0.168478	0.361295	0.302221	0.276938	0.207703	0.315926	0.199433	0.241493	0.20794	0.308837	0.24173
005	12696	0.168242	0.168242	0.361531	0.301985	0.277174	0.207703	0.31569	0.199433	0.241493	0.208176	0.308365	0.241966
006	12696	0.168478	0.168242	0.361531	0.301749	0.276938	0.207703	0.315926	0.199433	0.241493	0.208176	0.307656	0.242675
007	12696	0.168242	0.168242	0.361767	0.301749	0.276938	0.20794	0.315926	0.199197	0.241257	0.208412	0.308837	0.241493
008	12568	0.221957	0.197613	0.318616	0.261814	0.213177	0.179995	0.347816	0.259012	0.250179	0.208164	0.319169	0.222487
009	12696	0.168242	0.168478	0.361531	0.301749	0.276701	0.207703	0.315454	0.200142	0.24173	0.20794	0.308365	0.241966
010	11979	0.174555	0.165289	0.360882	0.299274	0.278487	0.200351	0.320811	0.200351	0.236163	0.213624	0.304282	0.24593
011	12648	0.166034	0.169829	0.360531	0.303605	0.277989	0.206831	0.314042	0.201139	0.235769	0.214658	0.301471	0.248102
012	12384	0.169331	0.167393	0.36313	0.300145	0.278343	0.204942	0.319767	0.196948	0.239099	0.204942	0.305959	0.25
013	12696	0.165879	0.171078	0.36035	0.302694	0.277174	0.208412	0.315454	0.19896	0.233459	0.215265	0.302457	0.248819
015	12771	0.167489	0.167724	0.361992	0.302795	0.275546	0.208128	0.31642	0.199906	0.24031	0.210947	0.301621	0.247122
016	12306	0.170161	0.166504	0.361531	0.301804	0.275232	0.204291	0.31765	0.202828	0.242077	0.210873	0.302779	0.244271
017	10695	0.169144	0.171108	0.354558	0.305189	0.275456	0.20533	0.315568	0.203647	0.240393	0.208135	0.308836	0.242637
019	12581	0.218884	0.199094	0.321888	0.260134	0.236528	0.187649	0.333095	0.242728	0.230861	0.198426	0.329835	0.240878
020	11967	0.172224	0.164954	0.3635	0.299323	0.277513	0.201053	0.320632	0.200802	0.235648	0.213337	0.313111	0.237904
027	12696	0.165406	0.171078	0.359405	0.304112	0.277647	0.207467	0.316635	0.198251	0.235113	0.215265	0.302694	0.246928
028	12693	0.165446	0.171354	0.362089	0.301111	0.278185	0.206098	0.318364	0.197353	0.239187	0.208934	0.308674	0.243205
029	12600	0.216667	0.205714	0.317619	0.26	0.214286	0.17619	0.345238	0.264286	0.25381	0.202143	0.325952	0.218095
030	12572	0.213314	0.191362	0.32355	0.271773	0.256979	0.196135	0.32713	0.219757	0.21432	0.198568	0.32864	0.258473

LAMPIRAN 2 Hasil Pengukuran Virus H5N1 Dengan Virus H5N1 Lainnya (Lanjutan)

No. Virus	Length Distance	similar	distance	distance1	distance2	distance3	distance4	distance5	1-distance
001	0	1	0	0	0	0	0	0	1
002	0	0.99937	0.001259	0.001258	0.00042	0.00042	0.000315	0.003766	0.998741
005	0	0.999527	0.000945	0.000944	0.000361	0.000361	0.000236	0.002828	0.999055
006	0	0.999606	0.000787	0.000787	0.000289	0.000289	0.000197	0.002357	0.999213
007	0	0.999291	0.001417	0.001415	0.000492	0.000492	0.000354	0.004235	0.998583
008	0.010133	0.935086	0.121914	0.108666	0.037831	0.036452	0.032457	0.280308	0.878086
009	0	0.99937	0.001259	0.001258	0.000386	0.000386	0.000315	0.003766	0.998741
010	0.058116	0.992228	0.015423	0.015189	0.004428	0.004408	0.003886	0.044552	0.984577
011	0.003788	0.993727	0.012468	0.012315	0.003836	0.003821	0.003137	0.036274	0.987532
012	0.02488	0.994756	0.010434	0.010326	0.003089	0.003079	0.002622	0.030505	0.989567
013	0	0.993935	0.012057	0.011913	0.004165	0.004148	0.003032	0.035112	0.987943
015	0.00589	0.99669	0.006598	0.006554	0.002534	0.002528	0.001655	0.019472	0.993402
016	0.031198	0.995871	0.008224	0.008157	0.002572	0.002566	0.002065	0.024175	0.991776
017	0.171091	0.995892	0.008183	0.008117	0.002841	0.002832	0.002054	0.024058	0.991817
019	0.009099	0.945445	0.103465	0.093764	0.031223	0.030278	0.027277	0.246607	0.896535
020	0.059117	0.992104	0.015669	0.015427	0.004349	0.00433	0.003948	0.045235	0.984331
027	0	0.993778	0.012368	0.012217	0.003813	0.003798	0.003111	0.035991	0.987632
028	0.000236	0.996622	0.006734	0.006689	0.001905	0.001901	0.001689	0.019867	0.993266
029	0.00759	0.929933	0.130959	0.115794	0.039263	0.03778	0.035034	0.295975	0.869041
030	0.009815	0.954657	0.086752	0.079827	0.024961	0.024353	0.022671	0.213872	0.913248

### LAMPIRAN 3 Hasil Pengukuran Virus H5N1 Dengan Virus Influenza Lainnya

No. Virus	Panjang	Basa Pertama				Basa Kedua				Basa Ketiga			
		T	C	G	A	T	C	G	A	T	C	G	A
003	12762	0.16079	0.174424	0.361072	0.303714	0.276916	0.21039	0.315233	0.197461	0.22473	0.221439	0.312412	0.24142
022	12762	0.15985	0.175599	0.364128	0.300423	0.276681	0.210625	0.316408	0.196286	0.224965	0.220263	0.314292	0.24048
031	12762	0.159614	0.17748	0.358721	0.304184	0.276681	0.210155	0.315468	0.197696	0.226375	0.216032	0.324871	0.232722
032	12762	0.162435	0.172543	0.360602	0.304419	0.276916	0.21039	0.314763	0.197931	0.229196	0.216502	0.315233	0.239069
033	12762	0.16079	0.174894	0.360367	0.303949	0.278091	0.209215	0.314292	0.198402	0.222379	0.219088	0.311236	0.247297
021	12786	0.170577	0.165181	0.365556	0.298686	0.277804	0.206007	0.317926	0.198264	0.247302	0.209057	0.31511	0.228531
023	12741	0.169296	0.165293	0.366376	0.299035	0.277843	0.206028	0.317636	0.198493	0.250059	0.208147	0.317401	0.224394
024	12750	0.165647	0.171059	0.362118	0.301176	0.278353	0.206353	0.314588	0.200706	0.243059	0.217647	0.311765	0.227529
025	12765	0.163102	0.170153	0.363572	0.303173	0.276146	0.209401	0.312103	0.20235	0.233843	0.223502	0.296827	0.245828
026	12768	0.170348	0.166588	0.363957	0.299107	0.277256	0.206767	0.316494	0.199483	0.243186	0.212876	0.316964	0.226974
014	12756	0.163452	0.173565	0.360066	0.302916	0.273283	0.21096	0.318203	0.197554	0.229069	0.208373	0.318438	0.24412
034	12756	0.162747	0.17333	0.362653	0.30127	0.273989	0.211195	0.315851	0.198965	0.223424	0.218015	0.30809	0.25047
018	10671	0.166151	0.168681	0.35901	0.306157	0.273826	0.209446	0.312061	0.204667	0.23278	0.213663	0.323868	0.229688
035	12768	0.163769	0.170348	0.362547	0.303336	0.275846	0.210056	0.313205	0.200893	0.230263	0.2164	0.320724	0.232613
036	12768	0.160479	0.173872	0.362312	0.303336	0.276316	0.209352	0.31297	0.201363	0.232143	0.21828	0.308036	0.241541
037	12768	0.161184	0.172227	0.360432	0.306156	0.278665	0.207472	0.313205	0.200658	0.229793	0.21734	0.308506	0.244361
038	12768	0.161184	0.172462	0.358788	0.307566	0.278665	0.207472	0.3125	0.201363	0.238957	0.208882	0.303806	0.248355
039	12768	0.161654	0.169643	0.361842	0.306861	0.27843	0.207472	0.31344	0.200658	0.230498	0.215695	0.309211	0.244596
040	12755	0.229069	0.192615	0.338194	0.240122	0.262465	0.215428	0.302446	0.219661	0.181604	0.183251	0.349565	0.28558
041	15042	0.162146	0.169924	0.366773	0.301157	0.278022	0.208018	0.314918	0.199043	0.230156	0.214001	0.316314	0.239529
042	12738	0.15968	0.172162	0.360104	0.308055	0.280264	0.207254	0.313707	0.198775	0.234809	0.213613	0.308055	0.243523
043	12762	0.162435	0.171133	0.359897	0.306535	0.279737	0.206394	0.314528	0.199342	0.235543	0.212976	0.312412	0.239069
044	12762	0.163376	0.170663	0.361072	0.30489	0.281617	0.205924	0.315703	0.196756	0.238129	0.203338	0.338505	0.220028
045	12762	0.16173	0.171368	0.360132	0.30677	0.279267	0.206394	0.315233	0.199107	0.236013	0.213446	0.308181	0.24236



LAMPIRAN 3 Hasil Pengukuran Virus H5N1 Dengan Virus Influenza Lainnya (Lanjutan)

No. Virus	similar	distance	distance1	distance2	distance3	distance4	distance5	1-distance
003	0.990468	0.018884	0.018534	0.007048	0.006998	0.004766	0.054097	0.9811164
022	0.989392	0.020994	0.020562	0.007209	0.007158	0.005304	0.059841	0.9790059
031	0.987099	0.025474	0.024841	0.008451	0.00838	0.006451	0.071846	0.9745263
032	0.991565	0.016729	0.016453	0.005476	0.005446	0.004217	0.048171	0.9832715
033	0.989868	0.020061	0.019666	0.007294	0.007241	0.005066	0.057309	0.9799391
021	0.992053	0.01577	0.015525	0.005308	0.00528	0.003974	0.045514	0.9842305
023	0.990911	0.018015	0.017696	0.006746	0.0067	0.004545	0.051716	0.981985
024	0.992763	0.014369	0.014166	0.005552	0.005521	0.003618	0.041613	0.9856309
025	0.990589	0.018647	0.018306	0.006495	0.006453	0.004706	0.05345	0.9813528
026	0.992786	0.014324	0.014122	0.005616	0.005585	0.003607	0.041487	0.9856757
014	0.992087	0.015703	0.01546	0.005355	0.005326	0.003957	0.045328	0.9842975
034	0.990888	0.01806	0.017739	0.006873	0.006826	0.004556	0.051838	0.9819404
018	0.992649	0.014594	0.014384	0.004743	0.00472	0.003675	0.042241	0.9854059
035	0.990298	0.019218	0.018855	0.00647	0.006429	0.004851	0.05501	0.9807824
036	0.992852	0.014195	0.013997	0.005073	0.005048	0.003574	0.041126	0.9858047
037	0.992239	0.015402	0.015168	0.005254	0.005227	0.00388	0.044493	0.9845981
038	0.99307	0.013765	0.013578	0.003936	0.00392	0.003465	0.039921	0.9862351
039	0.993075	0.013754	0.013567	0.004751	0.004729	0.003462	0.03989	0.9862462
040	0.934326	0.123253	0.109729	0.037912	0.036527	0.032837	0.282662	0.876747
041	0.992345	0.015193	0.014966	0.005139	0.005112	0.003827	0.043911	0.984807
042	0.993151	0.013605	0.013422	0.004364	0.004345	0.003424	0.039471	0.9863954
043	0.993244	0.013422	0.013244	0.003828	0.003814	0.003378	0.038959	0.986578
044	0.986382	0.02687	0.026167	0.011339	0.011212	0.006809	0.075537	0.9731298
045	0.994497	0.010945	0.010827	0.003556	0.003544	0.002751	0.03196	0.989055

### LAMPIRAN 4 Hasil Pengukuran Virus H5N1 Dengan Virus Jenis Lain

Nama	Panjang	Basa Pertama				Basa Kedua				Basa Ketiga			
		T	C	G	A	T	C	G	A	T	C	G	A
046	2673	0.210999	0.15376	0.323232	0.312009	0.298541	0.173962	0.328844	0.198653	0.332211	0.136925	0.292929	0.237935
047	13188	0.207461	0.156961	0.330755	0.304823	0.303458	0.231119	0.313012	0.152411	0.346224	0.188126	0.30596	0.159691
048	3234	0.24026	0.174397	0.300557	0.284787	0.268089	0.199443	0.345083	0.187384	0.330241	0.176252	0.278293	0.215213
049	9861	0.221174	0.124125	0.36903	0.285671	0.327959	0.190143	0.355948	0.125951	0.397627	0.125646	0.367204	0.109522
050	15957	0.239331	0.145704	0.344614	0.270352	0.337845	0.191577	0.334649	0.135928	0.35721	0.171085	0.335025	0.13668
051	4083	0.170463	0.236591	0.270389	0.322557	0.232182	0.252755	0.338722	0.176341	0.174137	0.401176	0.122704	0.301984
052	11217	0.182402	0.215833	0.296068	0.305697	0.23402	0.24552	0.347687	0.172773	0.188286	0.354373	0.154854	0.302487
053	4086	0.174009	0.237151	0.277533	0.311307	0.227606	0.24743	0.35022	0.174743	0.21072	0.331865	0.157122	0.300294
054	4077	0.166299	0.234731	0.279617	0.319352	0.229581	0.256071	0.33922	0.175129	0.14496	0.400294	0.113319	0.341428
055	4008	0.176647	0.217066	0.291168	0.31512	0.237275	0.235778	0.347305	0.179641	0.169162	0.401946	0.13024	0.298653
056	13863	0.19433	0.155378	0.320493	0.329799	0.286951	0.196278	0.364207	0.152564	0.308591	0.147587	0.355334	0.188487
057	1119	0.19571	0.198391	0.316354	0.289544	0.246649	0.209115	0.343164	0.201072	0.367292	0.179625	0.203753	0.24933
058	7599	0.216344	0.16818	0.30833	0.307146	0.291749	0.222661	0.30833	0.17726	0.304382	0.238452	0.227004	0.230162
059	9237	0.16986	0.197142	0.323806	0.309191	0.279961	0.216954	0.340695	0.16239	0.27379	0.221825	0.294576	0.209808
060	7302	0.19433	0.279786	0.220214	0.30567	0.257601	0.340181	0.255546	0.146672	0.182827	0.534511	0.112983	0.16968
061	4161	0.177361	0.174477	0.374189	0.273973	0.221341	0.2062	0.402307	0.170151	0.307859	0.198991	0.340303	0.152848
062	9525	0.182362	0.177953	0.327559	0.312126	0.28315	0.189921	0.348031	0.178898	0.312441	0.20189	0.271811	0.213858
063	10251	0.151888	0.203395	0.268949	0.375768	0.285045	0.216564	0.25139	0.247	0.210126	0.251097	0.210418	0.328358
064	7092	0.179357	0.273689	0.271997	0.274958	0.26692	0.288071	0.308799	0.13621	0.192047	0.366751	0.239848	0.201354
065	6474	0.18304	0.249768	0.274791	0.2924	0.268304	0.269694	0.317424	0.144578	0.199722	0.351715	0.207136	0.241427
066	10725	0.188252	0.200839	0.292028	0.318881	0.260699	0.266853	0.302657	0.16979	0.195524	0.283077	0.278601	0.242797
067	40557	0.227384	0.144537	0.294105	0.333974	0.318663	0.206524	0.305866	0.168947	0.507878	0.160071	0.199053	0.132998
068	29652	0.219749	0.181404	0.292189	0.306657	0.300688	0.231485	0.30949	0.158337	0.389923	0.197086	0.249899	0.163092
069	10476	0.176976	0.203895	0.306128	0.313001	0.281787	0.225086	0.326174	0.166953	0.288087	0.190435	0.307847	0.213631
070	11688	0.168378	0.160421	0.339836	0.331366	0.287731	0.203029	0.319815	0.189425	0.197895	0.219713	0.320329	0.262064

LAMPIRAN 4 Hasil Pengukuran Virus H5N1 Dengan Virus Jenis Lain

Nama	Length Distance	similar	distance	distance1	distance2	distance3	distance4	distance5	1-distance
046	1.30431	0.940503	0.112313	0.100972	0.039711	0.038194	0.029749	0.263072	0.887687
047	0.038016	0.934425	0.123078	0.10959	0.045035	0.043094	0.032787	0.282355	0.876922
048	1.18795	0.934641	0.122699	0.109289	0.041723	0.040052	0.03268	0.28169	0.877301
049	0.251363	0.877615	0.21808	0.179036	0.074933	0.069709	0.061193	0.423402	0.78192
050	0.22762	0.902065	0.178399	0.151391	0.059136	0.055834	0.048968	0.370123	0.821601
051	1.02664	0.862901	0.241139	0.194288	0.090497	0.082987	0.06855	0.451332	0.758861
052	0.123698	0.886317	0.204157	0.169544	0.072511	0.067609	0.056842	0.405505	0.795843
053	1.0261	0.886891	0.203231	0.168904	0.070784	0.066105	0.056555	0.404285	0.796769
054	1.02772	0.851204	0.259048	0.205749	0.096253	0.087801	0.074398	0.471676	0.740952
055	1.04023	0.873478	0.224624	0.183423	0.086116	0.079288	0.063261	0.431538	0.775376
056	0.08788	0.924343	0.140672	0.123324	0.042194	0.040486	0.037829	0.312216	0.859328
057	1.676	0.926704	0.136581	0.120168	0.052477	0.04986	0.036648	0.305447	0.863419
058	0.502291	0.94111	0.11123	0.100096	0.038516	0.037088	0.029445	0.261087	0.88877
059	0.315415	0.959605	0.077654	0.072058	0.023969	0.023408	0.020198	0.195088	0.922346
060	0.539454	0.799957	0.333394	0.250034	0.132594	0.117071	0.100022	0.545508	0.666606
061	1.01264	0.929022	0.132547	0.117035	0.046559	0.044488	0.035489	0.298672	0.867453
062	0.285406	0.952097	0.091427	0.083768	0.029718	0.02886	0.023952	0.223252	0.908573
063	0.2131	0.89915	0.183222	0.15485	0.059052	0.05576	0.050425	0.376986	0.816778
064	0.566404	0.881498	0.211894	0.174845	0.073384	0.068367	0.059251	0.41555	0.788106
065	0.649139	0.898883	0.183663	0.155165	0.0671	0.062881	0.050559	0.377607	0.816337
066	0.16831	0.932108	0.127152	0.112808	0.040816	0.039216	0.033946	0.289446	0.872848
067	1.04636	0.866762	0.235145	0.190379	0.095568	0.087232	0.066619	0.444267	0.764855
068	0.800793	0.911565	0.162499	0.139784	0.059431	0.056097	0.044217	0.346665	0.837501
069	0.191611	0.955175	0.085805	0.079024	0.027877	0.027121	0.022413	0.211949	0.914195
070	0.082677	0.970577	0.057164	0.054073	0.018783	0.018437	0.014712	0.150049	0.942836