

## Appendix A Classification of IBDV based on the genogroups of VP2

Genogroup	Feature <sup>1)</sup>	IBDV strain	GenBank No.	Genogroup	Feature <sup>1)</sup>	IBDV strain	GenBank No.			
A1	C	F52/70 France	HG974565			150/99 Poland	KX759601			
		IM USA	AY029166			Bug/03 Poland	KX759602			
		Lukert USA	AY918948			83/11 Poland	KX759603			
		112_Texas USA	MF142505			217/13 Poland	KX759610			
		398_Algeria	MF142527			115/14B Poland	KX759606			
		509_Egypt	MF142543			117/14 Poland	KX759607			
		793_Colombia	MF142581			131/14 Poland	KX759608			
A2	a <sup>2)</sup>	Var	752_Morocco	MF142572		189/14 Poland	KX759611			
			35_Arkansas USA	MF142523		123/15 Poland	KX759614			
			373_Delmarva USA	MF142524		li4129/2014 Finland	MG739298			
			70_Missouri USA	MF142559		716_Russia	MF142563			
			Variant A USA	M64285		HeB10XS02 China	KF569801			
			220_Ecuador	MF142513		QL China	JX682709			
			AL-2 USA	JF736011		HuN11 China	LM651367			
			E Del USA	DD187400		SK53 Thailand	KJ198843			
			37_Alabama USA	MF142526		150140/0.2 Algeria	MF969119			
			41_Alabama USA	MF142532		150144 Algeria	KY555598			
	b <sup>2)</sup>			Variant E USA	AF133904		150124 Algeria	KY555572		
				T1 USA	AF281238		276_Jordan	MF142517		
				111_Texas USA	MF142504		500_Egypt	MF142542		
				105_Pennsylvania USA	MF142503		304_Indonesia	MF142521		
				9109 USA	AY462027		753_Vietnam	MF142573		
				113_Texas USA	MF142506		713_Russia	MF142562		
				285_Mexico	MF142520		423_Iraq	MF142535		
				GLS USA	AY368653		47_Washington_St USA	MF142539		
				7_Ohio USA	MF142583		806_Malaysia	MF142584		
				c <sup>2)</sup>			SHG19 Chian	MH879092		866_Malaysia
	SHG120 China	MH879110					399_Algeria	MF142528		
	SHG350 China	MH879129					PK2 Pakistan	MF996499		
	IBDV-SD19-9901 Chian	MT087547					UY/2014/2202 Uruguay	KT336459		
IBDV-SD19-9903 Chian	MT087548	A4	741_UAE				MF142569			
IBDV-SD19-9904 China	MT087549		MG4 Brazil				JN982252			
IBDV-JS19-13202 China	MT087550		760_Mexico				MF142575			
IBDV-JS19-13203 China	MT087551	A5	94_Mexico				MF142589			
IBDV-JS19-13804 China	MT087552		772_KSA				MF142577			
IBDV-JS19-13902 China	MT087553	A6	751_KSA				MF142571			
d <sup>2)</sup>			UK661 France				NC_004178		ITA-04 Italy	JN852988
			OKYM Japan				D49706		08/95 Australia	AF148081
			BD339 Bangladesh				AF362776	A7	06/95 Australia	AF148080
			HLJ0504 China	GQ451330		05-5 Australia	AF381011			
			Gx China	AY444873		429_Russia	MF142536			
			HK46 China	AF092943		D78 USA	AF499929			
			YS07 China	FJ695138	A8	CT France	AJ310185			
			Br/03/DR Brazil	EU835860		P2 China	X84034			
			IBDV-HN China	KT884486		CEF94 Netherlands	AF194428			
			Chinju Korea	AF508176		JD1 China	AF321055			
A3	vvIBDV		Harbin-1 China	EF517528		HZ2 China	AF321054			
			D6948 Netherlands	AF240686		NB China	AY319768			
			02015.1 Venezuela	AJ878909		CU-1 Germany	X16107			
			HBL-07-15 India	KT630853		Gt China	DQ403248			
			HBL-07-15-b India	KT630855	AII	23/82 Germany	AF362773			
			624_Russia	MF142552		OH Canada	U30818			
			774_Kazakhstan	MF142578						

<sup>1)</sup> C, classic strain; Var, Variant strain; vvIBDV, very virulent IBDV; dIBDV, distinct IBDV; V/C Recomb, Variant / Classic recombinant strain; ITA, ITA-like strain; Att, attenuated strain; Serotype II, Serotype II IBDV. <sup>2)</sup> Lineages under genogroup A2.

## Appendix B Classification of IBDV based on the genogroups of VP1

Genogroup	Feature <sup>1)</sup>	IBDV strain	GenBank No.		
B1	C	F52/70 France	HG974566		
		IM USA	AY029165		
	Var	Variant E USA	AF133905		
		Att	HZ2 China	AF493979	
	dIBDV Algeria	NB Chian	NB Chian	AY654284	
			JD1 China	AY103464	
			P2 Germany	X84035	
			Gt China	DQ403249	
		UY/2014/2202 Uruguay	UY/2014/2202 Uruguay	KT336458	
			150124 Algeria	KY555573	
			150140/0.2 Algeria	MF969121	
		nVar	150144 Algeria	150144 Algeria	KY555599
				SHG19 China	MH879045
			SHG120 China	MH879063	
	SHG350 China		MH879081		
	IBDV-SD19-9901 Chian		MT087554		
	IBDV-SD19-9903 Chian		MT087555		
	B2	vvIBDV	IBDV-SD19-9904 China	MT087556	
			IBDV-JS19-13202 China	MT087557	
			IBDV-JS19-13203 China	MT087558	
IBDV-JS19-13804 China			MT087559		
IBDV-JS19-13902 China			MT087560		
UK661 France			NC-004179		
YS70 China			FJ695139		
D6948 Netherlands			AF240687		
B3	HLJ0504-like	HK46 China	AF092944		
		OKYM Japan	D49707		
		BD339 Bangladesh	AF362770		
		89163 France	HG974564		
		HLJ0504 China	GQ451331		
		Gx Chian	AY705393		
		Harbin-1 Chian	EF517529		
		PK2 Pakistan	MF996500		
		02015.1 Venezuela	AJ880090		
		HeB10XS02 China	KF569802		
		QL China	JX682709		
		HuN11 China	LM651367		
B4	Trans	HBL-07-15 India	KT630845		
		HBL-07-15b India	KT630847		
		SK53 Thailand	KJ198845		
		150/99 Poland	KX759555		
		Bug/03 Poland	KX759556		
		li4129/2014 Poland	MG739299		
		83/11 Poland	KX759557		
		217/13 Poland	KX759559		
		115/14B Poland	KX759561		
		117/14 Poland	KX759562		
		131/14 Poland	KX759563		
		189/14 Poland	KX759565		
		123/15 Poland	KX759568		
		BII	Serotype II	23/82 Germany	AF362774
OH Canada	U30819				

<sup>1)</sup>C, classic strain; Var, Variant strain; Att, attenuated strain; dIBDV, distinct IBDV; Algeria, the recombinant strain isolated in Algeria; HLJ0504-like, HLJ0504-like strain; vvIBDV, very virulent IBDV; nVar, Novel variant strains; Trans, transitional-lineage IBDV; Serotype II, serotype II IBDV.

### Appendix C The genotypes of some segment-reassortant IBDV strains

Genotype	Feature <sup>1)</sup>	Reference strain	GenBank No. (A, B)
A3B1	vv-A/att-B	SH95 China	AY134874, AY134875
		IBD13HeB01 China	KP676467, KP676468
		KZC-104 Zambia	AB368968, AB368969
		Br/03/DR Brazil	EU835860, HQ602717
		GX-NN-L China	JX134485, JX134486
		QL China	JX682709, JX682710
		ZZ-11 China	JX682711, JX682712
		JBN2011 Korea	MF188862, MF188863
		02015.2 Venezuela	AJ878910, AJ878686
		BGE14/ABT1/MVC/India	KT884452, KT884453
		Bpop/03 Poland	MH545934, MH545935
		150140/0.2 Algeria	MF969119, MF969121
		150144 Algeria	KY555598, KY555599
		A3B3	vv-A/uniq-B
Gx China	AY444873, AY705393		
Harbin-1 China	AF092171, AF454945		
PK2 Pakistan	MF996499, MF996500		
02015.1 Venezuela	AJ879932, J880090		
HBL-07-15 India	KT630853, KT630845		
A3B4	vv-A/trans-B	150/99 Poland	KX759555, KX759555
		Bug/03 Poland	KX759556, KX759556
		li4129/2014 Finland	MG739299, MG739299
A8B2	att-A/vv-B	ZJ2000 Chian	AF321056, DQ166818
		TL2004 China	DQ088175, DQ118374
		HN04 China	KC109816, KC109815
A3BII	vv-A/II-B	CA-K785 USA	JF907702, JF907705
		CA-D495 USA	JF907703, JF907704
		100056 France	KU234528, KU234529

<sup>1)</sup> vv, very virulent IBDV; att, attenuated strain; uniq, unique strain as HLJ0504-like IBDV; trans, transitional-lineage IBDV; II, serotype II IBDV.