

1 **Detection of influenza A virus from live-bird market poultry swab samples in**
2 **China by a pan-IAV, one-step reverse-transcription FRET-PCR**

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7 **Table S1. Strain/isolate numbers of IAV serotypes matching the pan-IAV**
 8 **primers/probes.**

IAV	Forward primer	Reverse primer	6-FAM probe	LCRed-640 probe	Minimum strains/isolates detectable
H1N1	7908	7284	7831	7516	7284
H1N2	1426	1444	1545	1526	1426
H1N3	67	120	37	99	37
H1N4	15	24	12	31	12
H1N5	26	43	18	30	18
H1N6	47	109	54	75	47
H1N7	11	22	11	11	11
H1N8	45	59	30	46	30
H1N9	84	126	79	141	79
H2N1	153	166	92	177	92
H2N2	238	200	187	242	187
H2N3	201	173	155	176	155
H2N4	8	8	7	11	8
H2N5	42	84	44	70	42
H2N6	8	17	9	15	8
H2N7	73	88	55	92	55
H2N8	36	41	22	43	22
H2N9	151	240	145	179	145
H3N1	198	218	125	235	125
H3N2	7827	7068	7726	7279	7068
H3N3	50	58	35	64	35
H3N4	7	12	4	7	4
H3N5	35	74	37	78	35
H3N6	271	193	235	264	193
H3N7	23	28	16	29	16
H3N8	978	811	1016	918	811
H3N9	17	22	14	26	14
H4N1	42	46	25	42	25
H4N2	192	149	119	174	119
H4N3	65	81	48	71	48
H4N4	24	38	16	33	16
H4N5	41	61	22	50	22
H4N6	698	666	712	809	666
H4N7	25	34	16	33	16
H4N8	153	150	136	216	136
H4N9	85	99	57	90	57
H5N1	2274	2071	2061	2195	2061
H5N2	593	559	582	553	553
H5N3	101	317	187	271	101

H5N4	14	16	16	16	14
H5N5	85	120	47	129	47
H5N6	89	546	176	292	89
H5N7	25	31	16	29	16
H5N8	101	99	112	101	99
H5N9	62	72	40	69	40
H6N1	375	347	332	326	326
H6N2	449	420	433	426	420
H6N3	33	50	48	49	33
H6N4	44	55	27	54	27
H6N5	141	253	115	268	115
H6N6	185	156	170	179	156
H6N7	10	11	7	13	7
H6N8	168	160	159	160	159
H6N9	31	32	24	40	24
H7N1	142	143	148	225	142
H7N2	315	274	315	314	274
H7N3	308	346	301	311	301
H7N4	55	89	43	68	43
H7N5	13	9	8	13	8
H7N6	80	113	79	128	79
H7N7	200	183	180	214	180
H7N8	59	51	43	59	43
H7N9	450	453	455	450	450
H8N1	3	5	1	3	1
H8N2	6	11	5	10	5
H8N3	3	4	2	5	2
H8N4	97	102	96	99	96
H8N5	0	1	0	0	0
H8N6	3	3	3	3	3
H8N7	0	2	0	0	0
H8N8	3	4	2	4	2
H9N1	50	88	46	69	46
H9N2	1590	1459	1613	1204	1204
H9N3	5	22	8	8	5
H9N4	3	8	6	5	3
H9N5	26	73	31	62	26
H9N6	9	19	7	17	7
H9N7	15	21	18	15	15
H9N8	19	19	12	15	12
H9N9	37	53	35	52	35
H10N1	61	106	53	71	53
H10N2	52	98	49	92	49
H10N3	139	175	112	191	112
H10N4	77	176	89	109	77

H10N5	47	90	40	61	40
H10N6	77	157	75	80	75
H10N7	249	327	254	262	249
H10N8	216	290	144	193	144
H10N9	38	77	41	57	38
H11N1	73	115	65	107	65
H11N2	90	372	168	378	90
H11N3	58	91	43	86	43
H11N4	2	4	2	2	2
H11N5	11	20	9	12	9
H11N6	35	60	29	43	29
H11N7	16	26	13	14	13
H11N8	49	63	30	51	30
H11N9	257	567	278	263	257
H12N1	23	25	14	19	14
H12N2	11	15	8	11	8
H12N3	17	24	12	16	12
H12N4	23	39	18	36	18
H12N5	96	112	201	94	94
H12N6	13	23	11	18	11
H12N7	12	17	10	18	10
H12N8	10	16	10	14	10
H12N9	9	13	9	14	9
H13N1	2	0	0	1	0
H13N2	84	75	37	104	37
H13N3	5	6	5	7	5
H13N4	1	1	0	1	0
H13N6	130	181	111	222	111
H13N8	28	36	15	27	15
H13N9	47	76	22	37	22
H14N2	3	9	3	11	3
H14N3	3	3	4	4	3
H14N5	12	18	9	16	9
H14N6	22	20	11	19	11
H14N8	9	7	4	5	4
H15N2	0	1	1	2	0
H15N4	4	5	3	4	3
H15N6	1	3	2	5	1
H15N7	4	5	3	4	3
H15N8	2	3	3	4	2
H15N9	6	16	9	19	6
H16N3	105	150	76	138	76
H16N9	1	2	1	3	1
Total	31776	32641	30807	32366	28206

11 **Table S2. IAV serovars used for Clustal Alignment Algorithm and designing of**
 12 **primers and probes in this study.**

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H subtype	N subtype and gene accession number of IAVs
H1	N1: CY103734; N2: CY133291, N3: CY134400; N9: CY167119
H2	N1: CY191028, N2: CY121928; N3: FJ357078; N7: CY157543, N9: CY184254
H3	N1: CY132294; N2: JX235984; N6: CY004305; N8: AY633341
H4	N2: KM244117; N6: CY101572, N8: AF250492, N9: AB916686
H5	N1: FJ434375; N2: AY300953; N3: CY167193; N4: CY096683; N7: CY094438; N8: GQ923574; N9: CY133786
H6	N1: KJ568060; N2: KJ0246008; N5: KM244095; N6: KJ200910; N8: KJ568324
H7	N1: KJ567948; N3: CY081333; N4: CY133778; N6: CY125374; N7: CY167233; N8: CY132510; N9: KF150611
H8	N1: CY166785; N3: CY076022; N4: CY064122
H9	N1: CY181338; N2: GU051520; N4: GU051538; N7: KF591858; N8: DQ021759; N9: KJ938653
H10	N2: CY166395; N4: CY190332; N7: CY005232
H11	N1: CY126705; N2: LC042068; N6: CY120527; N9: CY181274
H12	N1: JN982514; N2: CY166227; N4: CY133358; N5: GU050870
H13	N2: KR087567; N6: CY185674; N8: CY185634
H14	N2: CY167268; N5: GU052253; N6: KC110606; N8: CY133554
H15	N6: GU052261; N7: KP087871; N9: CY185888
H16	N3: AB937724; N9: KC845030

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