

**Table S1. Viral infection history**

				Coinfection history									
Patient Number	Experiment	Visit Date Sample tested	Months viral load <50 copies/ml	Cytomegalovirus (CMV)	Epstein–Barr virus (EBV)	Hepatitis B virus (HBV)	Hepatitis C virus (HCV)	Herpes simplex virus (HSV)	Influenza A	Rotavirus	Respiratory syncytial virus (RSV)	Varicella zoster virus (VZV)	
Figure 1 - Pt 8.a	Longitudinal Study	2/12/08	-				PCR + (12/23/04, 9/26/02) RNA Quantitative: 5,481,000 copies/mL (6/17/05), 6,075,000 copies/mL (3/11/05) 1,580,000 IU/mL (12/23/04) 455,000 IU/mL (1/30/03), 2,380,000 IU/mL (12/19/02), 4,470,000 IU/mL (10/30/02), 487,000 copies/mL (8/21/02), 4,520,000 copies/mL (8/8/02), RNA IU: 2,030,000 IU/mL (6/17/05), 2,250,000 (3/11/05), 4,266,000 copies/mL (12/23/04), 1,137,500 copies/mL (1/30/03), 5,950,000 copies/mL (12/19/02), 10,012,800 copies/mL (10/30/02), 1,129,840 copies/mL (8/21/02), 8,136,000 copies/mL (8/8/02)						
Figure 1 - Pt 8.b	Longitudinal Study	10/27/09	11										
Figure 1 - Pt 9.a	Longitudinal Study	3/16/04	-										
Figure 1 - Pt 9.b	Longitudinal Study	6/19/08	6										
Figure 1 - Pt 10.a	Longitudinal Study	3/2/01	-										
Figure 1 - Pt 10.b	Longitudinal Study	12/10/03	9										
Figure 4 - Pt 1	Cross-sectional Study	5/29/08	6			HBe Ag: Negative (1/29/07), Positive (3/1/07, 7/18/06, 10/4/05, 4/22/04, 1/20/04), HBs Ag: Repeat Reactive, confirmed positive (4/17/08 1/29/07, 7/18/06, 1/20/04, 7/1/02), DNA quantitative: <116.4 (9/11/12), 58 (11/19/2009, None detected (4/17/2008, 3/1/07, 1/29/07, 7/18/2006, 10/4/05, 4/22/04), DNA IU: <20 (9/11/12), None detected (3/15/11)<10 (11/19/09)							
Figure 4 - Pt 2	Cross-sectional Study	11/19/09	98			DNA Quantitative: 58 copies/ml (11/19/09); DNA-IU: <10 IU/ml (11/19/09)							



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Figure 4 - Pt 28	Cross-sectional Study	2/19/08	13		PCR + (2/15/2006, 1/27/06), Negative 4/28/05								
Figure 4 - Pt 29	Cross-sectional Study	8/5/08	17										
Figure 4 - Pt 30	Cross-sectional Study	1/21/10	41										
Figure 4 - Pt 31	Cross-sectional Study	3/22/11	37										
Figure 4 - Pt 32	Cross-sectional Study	9/21/10	8		7447550 copies/mL (6/15/13), 850 copies/mL (8/15/2012), PCR + (10/22/2009)								
Figure 4 - Pt 33	Cross-sectional Study	12/7/10	19			PCR + (3/15/06, 11/3/05), PCR - (7/20/05)							
Figure 4 - Pt 34	Cross-sectional Study	6/22/06	7						Culture + (03/22/06)				
Figure 4 - Pt 35	Cross-sectional Study	4/23/03	17				PCR + (1/4/07), RNA IU: 24900000 IU/mL (10/5/11), 13300000 IU/mL (6/14/11), 64,300 IU/mL (11/4/08), 257000 IU/mL (1/4/07) RNA Quantitative: 67230000 copies/mL (10/5/11), 35910000 copies/mL (6/14/11), 173610 copies/mL (11/4/08), 693900 copies/mL (1/4/07)						
Figure 4 - Pt 36	Cross-sectional Study	5/14/03	6							Isolate Influenza A 12/26/03			
Figure 4 - Pt 37	Cross-sectional Study	10/13/09	9										
Figure 4 - Pt 38	Cross-sectional Study	2/8/05	7										
Figure 4 - Pt 39	Cross-sectional Study	4/28/09	12										
Figure 4 - Pt 40	Cross-sectional Study	12/16/04	8										
Figure 4 - Pt 41	Cross-sectional Study	12/18/07	6	PCR Low + (10/23/08, 6/5/07, 5/10/07, 4/11/07, 3/29/07), PCR - (7/1/08, 7/3/07, 2/11/09) PCR + (4/25/07)	PCR + (7/22/04), ND (8/18/09) PCR + (1/13/10), PCR Low + (11/12/09, 6/3/09, 2/11/09, 7/1/08, 3/13/08, 12/18/07), ND (10/23/08, 9/25/07)	HBs Ag: Reactive (02/08/05)						PCR + (7/1/08), PCR - 4/4/07	



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Figure 4 - Pt 44	Cross-sectional Study	11/8/05	16			HBs Ag: Reactive (1/13/09), Repeat reactive (8/16/05, 9/3/04, 2/17/04), Hbe Ag: Reactive 9/6/02, DNA Quantitative: None detected (6/23/05), 927 copies/mL (9/3/04), 37,600,000 diluted 1:1000 copies/mL (2/17/04), 2,500,000,000 copies/mL dilute 1:10,000 (11/24/03), >500,000 copies/mL (9/6/02), 322,000 copies/mL (6/26/02)							
Figure 4 - Pt 45	Cross-sectional Study	5/5/09	17		PCR + (3/11/10)				Culture + (10/15/04)				
Figure 4 - Pt 46	Cross-sectional Study	11/13/08	12										
Figure 4 - Pt 47	Cross-sectional Study	2/24/10	11										
Figure 4 - Pt 48	Cross-sectional Study	12/18/08	36		PCR + (3/15/06, 11/3/05, 7/20/05)				Culture + (3/22/06, 3/15/06)				
Figure 4 - Pt 49	Cross-sectional Study	7/20/10	40						PCR + (10/2/12)				
Figure 4 - Pt 50	Cross-sectional Study	3/29/10	6										
Figure 4 - Pt 51	Cross-sectional Study	4/28/09	8										
Figure 4 - Pt 52	Cross-sectional Study	12/3/10	21		PCR Low + (12/4/08)				Culture + (7/24/07)				
Figure 4 - Pt 53	Cross-sectional Study	3/29/11	113			HBs Ag: + (1/5/10, 7/2/09), Repeat reactive known positive (4/6/04, 2/11/03), DNA Quantitative: None detected (9/24/13, 5/4/10, 2/26/08, 6/26/03, 10/3/02), <169 copies/mL (3/29/11), 58 copies/mL (1/5/10), DNA IU: <29 IU/mL (3/29/11), <10 IU/mL (1/5/10)							