

Supplementary Table 1: Characteristics of AIM donors in study population

Donor ID ¹	Gender	Time point	Elapsed time (months) ²	EBV serology (VCA IgM) ³	EBV viral load (log ₁₀ copies/10 ⁶ B cells)	GLC ⁴ (%)	YVL ⁴ (%)
E1603	M	AIM	6	Pos	2.03	0.6	2.9
		CONV			1.92	0.5	0.7
E1632	F	AIM	7	Pos	4.36	1.1	2
		CONV			No data ⁵	0.2	0.1
E1655	F	AIM	5	Pos	5.05	1.6	1.3
		CONV			3.30	0.2	0.1

¹ TCR deep sequencing was performed on tetramer sorted CD8 T cells of all three donors diagnosed with AIM and were performed at the time presentation and 5-8 months later.

² Time elapsed between AIM and CONV.

³ EBV serology was only performed at AIM.

⁴ Frequency of HLA-A2 restricted YVL and GLC tetramer+ cells within CD3+ CD8+ T cells sorted from PBMCs isolated from each respective donor.

⁵ B cells were not available from this donor to perform a viral load assay.

AIM: acute infectious mononucleosis; CONV: convalescence; M: male; F: Female; IgM: immunoglobulin M; VCA: viral capsid antigen; Pos: positive.