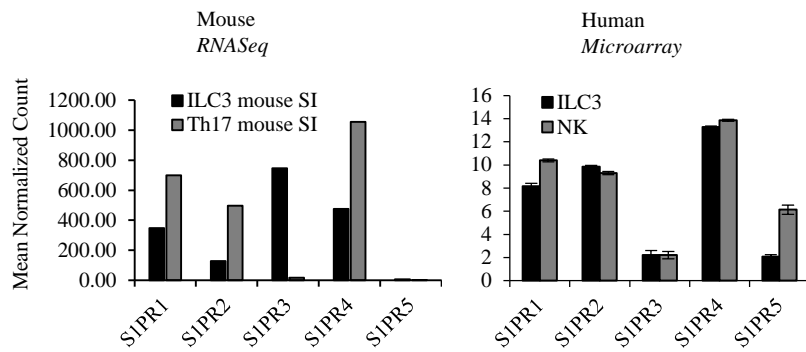
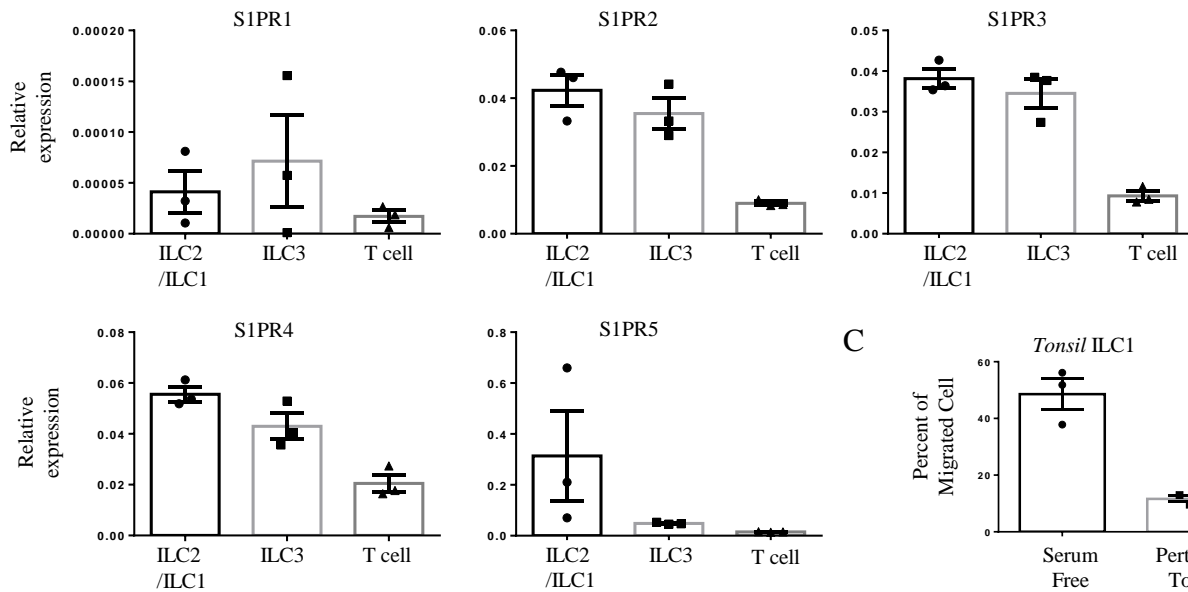


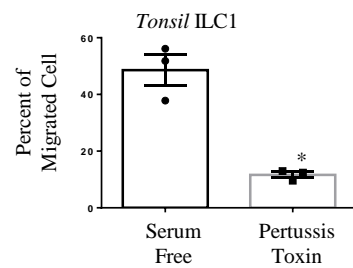
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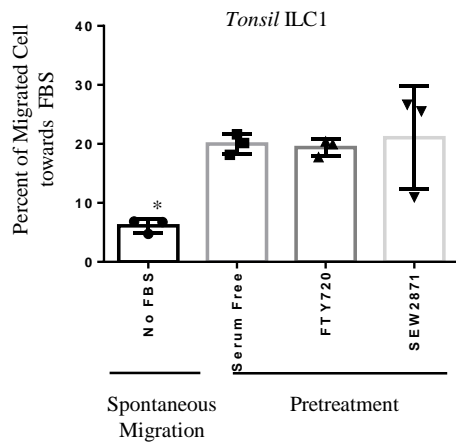
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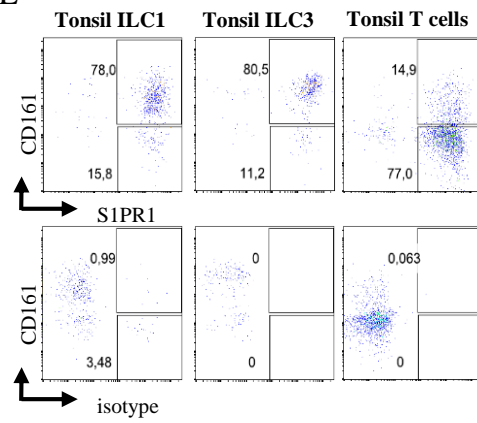
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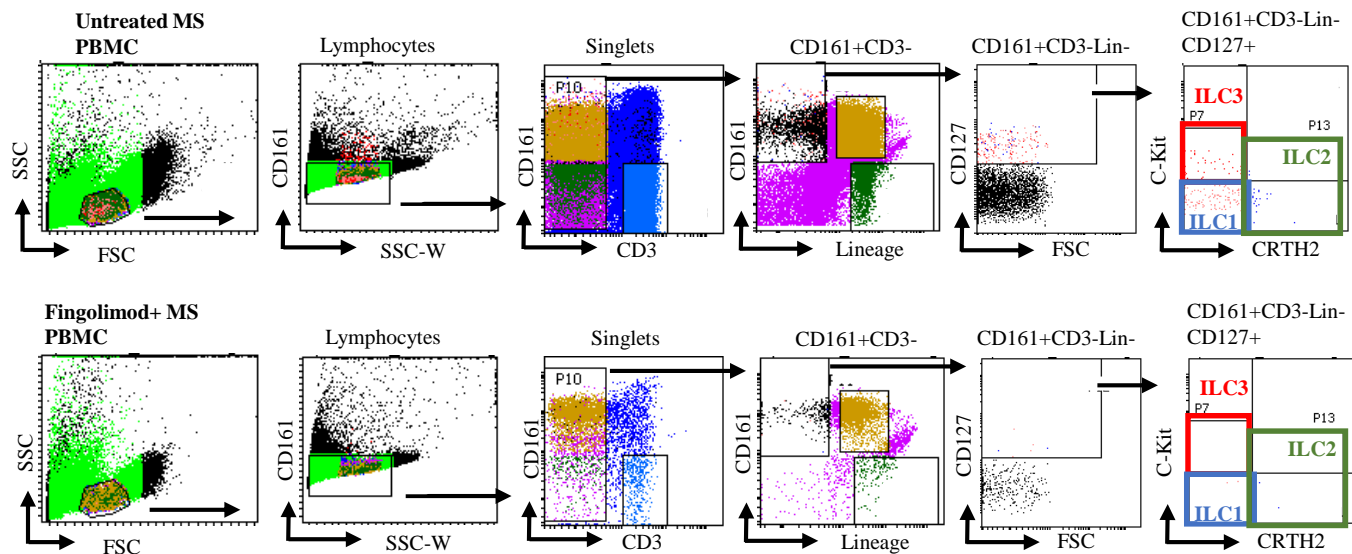
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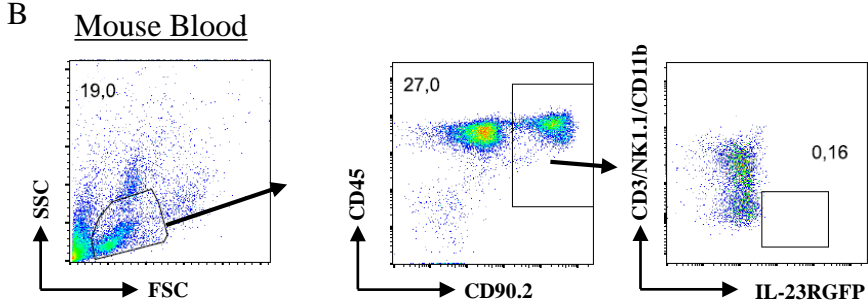
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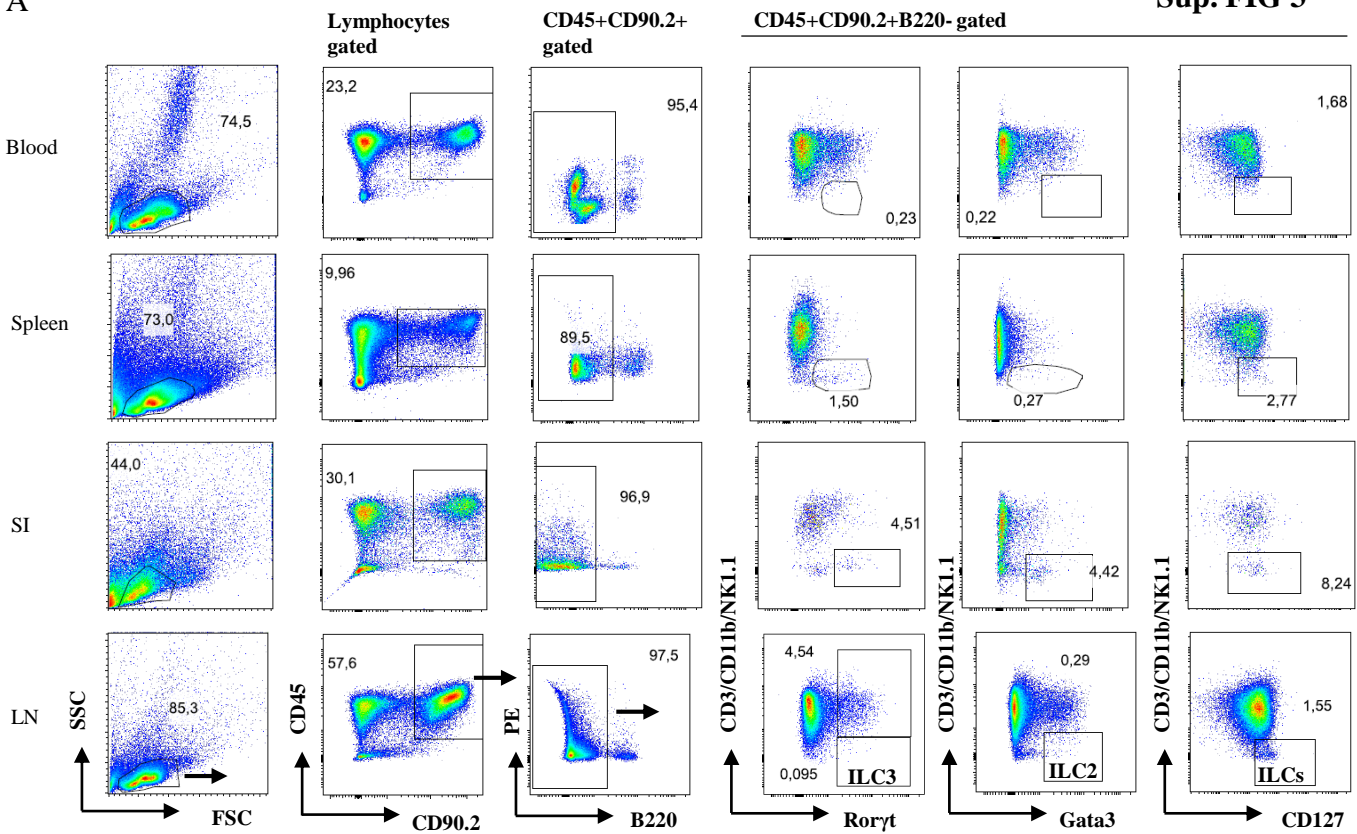
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B

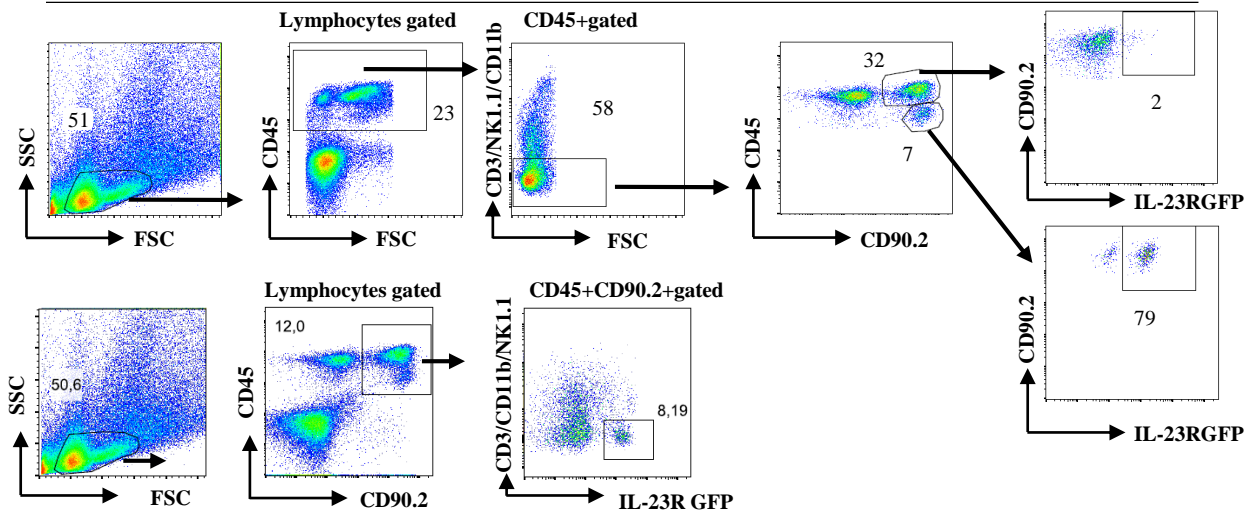


A

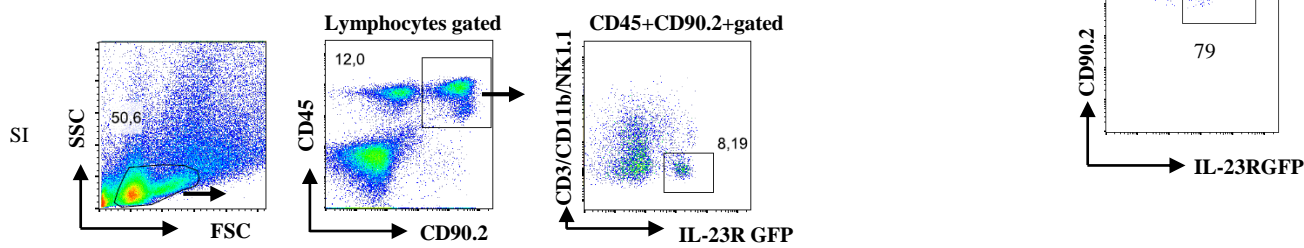


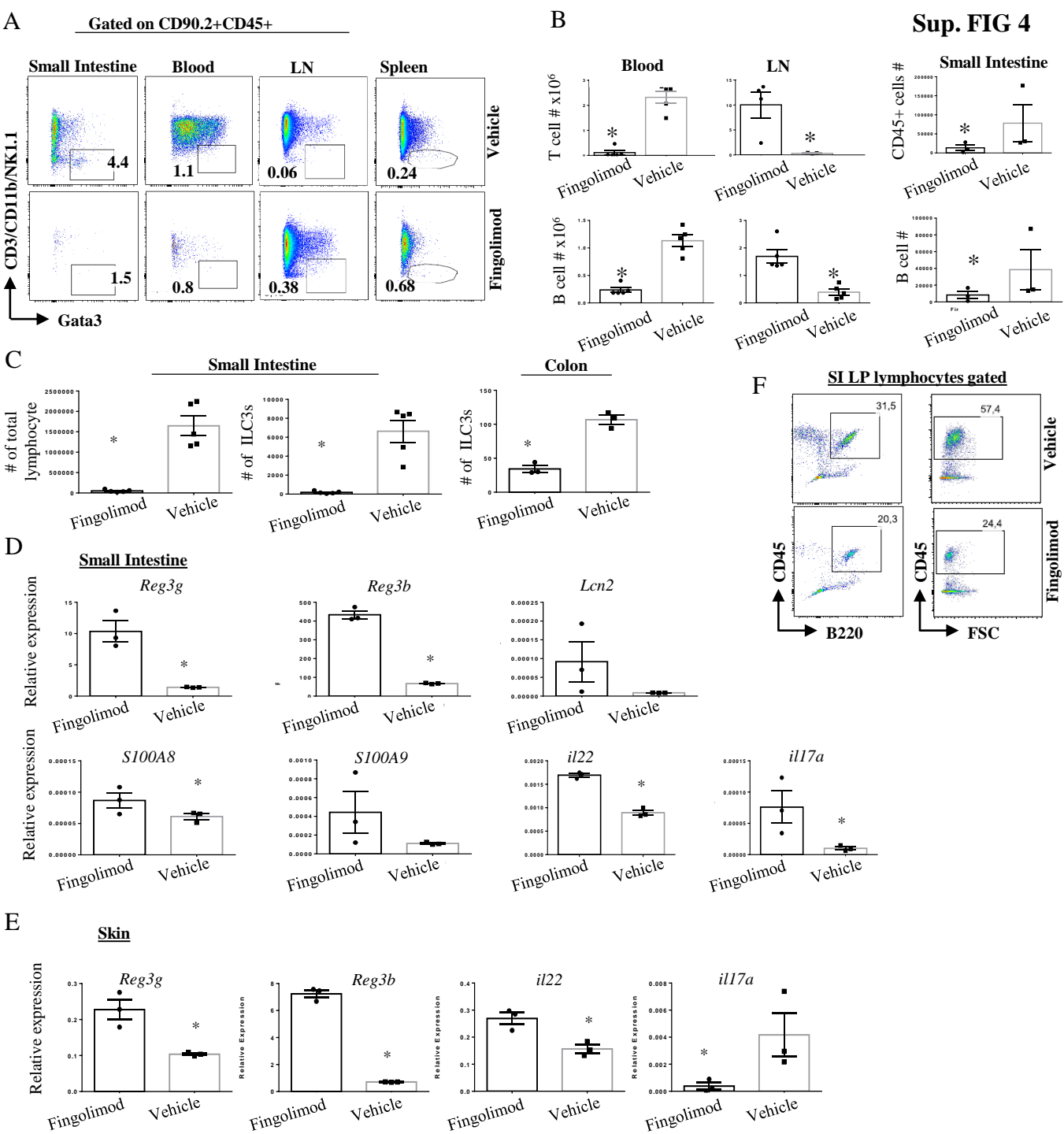
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Small Intestine



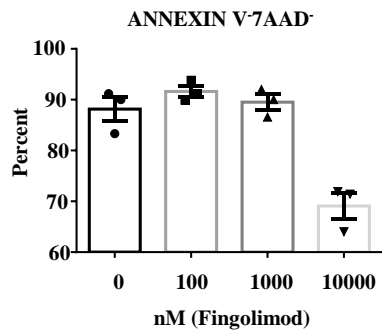
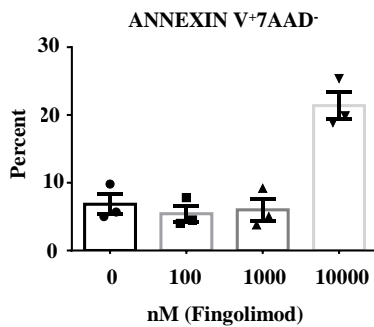
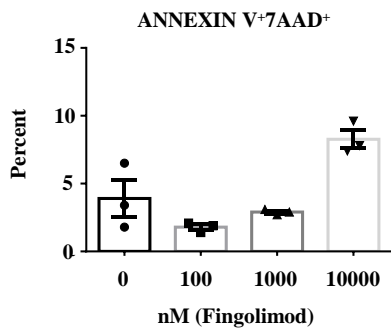
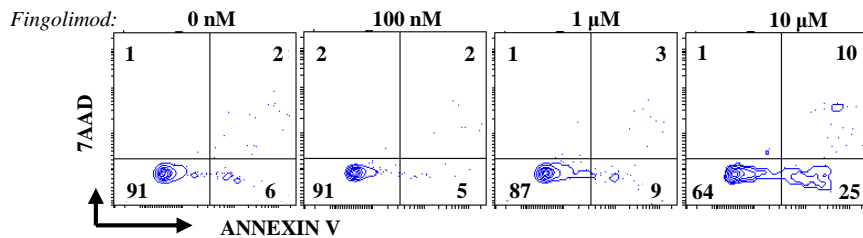
C





Sorted human tonsil ILC3 (CD3⁻Lin⁻CD161⁺CD127⁺cKit⁺CRTH2⁺)

+ IL-12/IL-23/IL-1B/IL-7



Gene Name	Primer Sequence	Reference
<i>hS1PR1_FW</i>	GCTCTCCGAACGCAACTTC	[1]
<i>hS1PR1_RV</i>	GGTGGTTCGATGAGTGATCC	
<i>hS1PR2_FW</i>	CAAGTTCCTACTCGGCAATGT	[2]
<i>hS1PR2_RV</i>	CAGGAGGCTGAAACAGAGG	
<i>hS1PR3_FW</i>	TCAGGGAGGGCAGTATGTTC	[2]
<i>hS1PR3_RV</i>	GAGTAGAGGGGCAGGATGGT	
<i>hS1PR4_FW</i>	GTCTTTGGCTCCAACCTCTG	[3]
<i>hS1PR4_RV</i>	CGGAAGGAGTAGATGATGGG	
<i>hS1PR5_FW</i>	GGCGCGCACCTGTCCTGTAC	
<i>hS1PR5_RV</i>	TCGGGTCTCTGCCGCAGGAG	
<i>mS1PR1_FW</i>	GGAGGTTAAAGCTCTCCGC	
<i>mS1PR1_RV</i>	CGCCCCGATCTTCAAC	
<i>mS1PR2_FW</i>	GCGTGGTCACCATCTTCTCC	[4]
<i>mS1PR2_RV</i>	CGTCTGAGGACCAGCAACATC	
<i>mS1PR3_FW</i>	CATCGCCTTCCTCATCAGTATCTTC	[4]
<i>mS1PR3_RV</i>	CACAATCACTACGGTCCGCA	
<i>mS1PR4_FW</i>	CCACAGCCTCCTCATTGTC	[4]
<i>mS1PR4_RV</i>	TCAGCATCCCTAGCCCTC	
<i>mS1PR5_FW</i>	ACTGCTTAGGACGCCTGGAA	[4]
<i>mS1PR5_RV</i>	CCGCACCTGACAGTAAATCCTT	
<i>mIFNγ_FW</i>	TCAAGTGGCATAGATGTGGAAGAA	
<i>mIFNγ_RV</i>	TGGCTCTGCAGGATTTTCATG	
<i>mLcn2_FW</i>	GGCCCTGAGTGTCTATGTGTC	
<i>mLcn2_RV</i>	TTCTGATCCAGTAGCGACAGC	
<i>mReg3γ_FW</i>	CCGTGCCTATGGCTCCTATTG	
<i>mReg3γ_RV</i>	GCACAGACACAAGATGTCCTG	
<i>mReg3B_FW</i>	TACTGCCTTAGACCGTGCTTTCTG	
<i>mReg3B_RV</i>	GACATAGGGCAACTTCACCTCACA	
<i>mS100a8_FW</i>	TGCGATGGTGATAAAAAGTGG	
<i>mS100a8_RV</i>	GGCCAGAAGCTCTGCTACTC	
<i>mS100a9_FW</i>	CACAGTTGGCAACCTTTATG	
<i>mS100a9_RV</i>	CAGCTGATTGTCCTGGTTTG	

	<i>Fingolimod+ (MS Patient)</i>		<i>Untreated (MS Patient)</i>	
	Male	Female	Male	Female
<i>Patients (n)</i>	4	10	4	7
<i>Mean Age</i>	46.5	41.33	30.25	32.83

Supplementary References

1. Sic, H., Kraus, H., Madl, J., Flittner, K.-A., Lilly Von M€ Unchow, A., Pieper, K., ... Eibel, H. (2014). Sphingosine-1-phosphate receptors control B-cell migration through signaling components associated with primary immunodeficiencies, chronic lymphocytic leukemia, and multiple sclerosis. *Journal of Allergy and Clinical Immunology*, 134, 420–428.e15. <https://doi.org/10.1016/j.jaci.2014.01.037>
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4. Orr Gandy, K., Canals, D., Adada, M., Wada, M., Roddy, P., Snider, A., ... Obeid, L. (2012). Sphingosine 1-Phosphate induces filopodia formation through S1P2R activation of ERM proteins. *Biochemical Journal*, 672, 661–672. <https://doi.org/10.1042/BJ20120213>