Table 2. Serum biomarkers investigated

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| **Study** | **Serum biomarkers** |
| 1. Lembo et al.,  2009, [14] | Il-1β, GRO-a, BDNF, ASCA IgA, Anti-CBir1, tTG, TWEAK, ANCA, TIMP-1, NGAL |
| 2. Jones et al.,  2014, [33] | histamine, prostaglandin E2, tryptase, serotonin, P substance, Il-12, Il-6, Il-8, Il-10, TNF-α |
| 3. Kindt et al.,  2009, [34] | Il-5, Il-10, Il-13, IFN-γ, TNF-α, Il-10, Il-12 |
| 4. Schmulson et al., 2012, [35] | Il-10, TNF-α |
| 5. Liebregts et al., 2007, [36] | TNF-α, Il-1β, Il-6 |
| 6. Buckley et al.,  2014, [37] | Il-6 |
| 7. Chang et al.,  2012, [38] | Il-1β, Il-6, Il-8, Il-10, Il-12, TNF-α |
| 8. Darkoh et al.,  2014, [39] | MCP-1, MIP-1 β, TNF- α, IFN-γ, Il-1 β, Il-10, Il-4, Il-13, CXCL16 |
| 9. Rana et al.,  2012, [27] | Il-6, TNF-ɑ, Il-10 |
| 10. Semnani et al.,  2009, [40] | leptin |
| 11. Mckernan et al.,  2011, [41] | Il-2, Il-4, Il-5, Il-10, Il-12, Il-13, IFN-γ, IL-1 β, Il-6, Il-8, TNF-α |
| 12. Dinan et al.,  2006, [42] | Il-6, Il-8, Il-10, sIl-6 R, TNF- α |
| 13. Hauser et al., 2014, [43] | ESR |
| 14. Pimentel et al., 2015, [44] | anti-vinculin antibodies, anti-CdtB |