

	LP #1	LP #2	LP #3	LP #4	LP #5
Pat. #1	OCB -/1, M, Rem, QlgG neg	OCB -/1, M, Rem, QlgG neg	OCB -/4, M, Rem, QlgG neg	OCB -/4, M, Rem, QlgG neg	<b>OCB +/2</b> , M, Rem, QlgG neg
Pat. #2	<b>OCB +/2</b> , M, A, QlgG neg	OCB -/1, M, A, QlgG neg			
Pat. #3	OCB -/1, ON, A, QlgG neg	<b>OCB +/2</b> , nd, A?, <b>QlgG pos</b>			
Pat. #4	OCB -/1, ON, A, QlgG n.d.	OCB -/4, ON, Rem, QlgG neg			
Pat. #5	OCB -/1, nd, Rem, QlgG neg	OCB -/4, M, A, QlgG nd	OCB -/4, M, A, QlgG nd	OCB -/4, M, A, QlgG nd	OCB -/1, ON, A, QlgG nd
Pat. #6	<b>OCB +/3</b> , M+B, A, <b>QlgG pos</b>	<b>OCB +/3</b> , M+B, A, QlgG neg	<b>OCB +/2</b> , M+B, A, <b>QlgG pos</b>		
Pat. #7	OCB -/1, ON, A, QlgG neg	OCB -/4, M, A, QlgG neg			
Pat. #8	OCB -/1, ON, A, QlgG neg	OCB -/4, ON, A, QlgG neg			
Pat. #9	OCB -/4, ON, A, QlgG nd	OCB -/1, B, A, QlgG neg			

**Supplementary Table 2.** Variations in OCB positivity over time. In 1 patient, OCB disappeared over the course of disease (absent one week after the initial LP and following steroid treatment); in 2 patients, OCB were absent in the initial sample but were detectable in a follow-up sample taken 271 and 66 days later, respectively. Most samples were obtained during acute disease with the only exception of patient #1, in whom LP was performed five times during remission. Note that QlgG was normal in most of the OCB-positive samples, indicating low levels of intrathecal IgG synthesis. A = acute attack; B = brain/brainstem/cerebellar disease (last attack before LP); M = myelitis (last attack before LP); OCB = oligoclonal bands; ON = optic neuritis (last attack before LP); QlgG = CSF/serum immunoglobulin G ratio; Rem = remission.