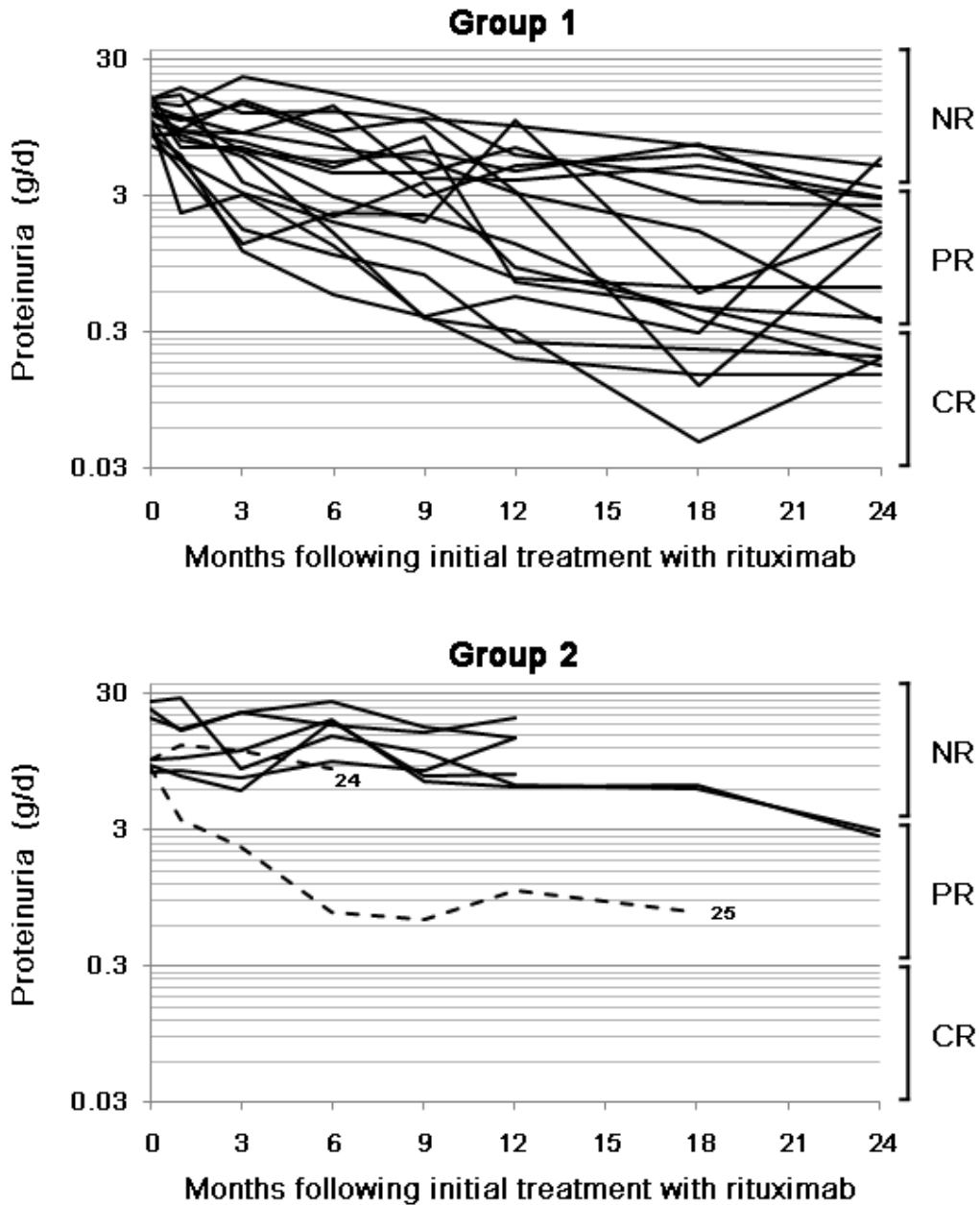


## Supplemental Material

### Anti-PLA<sub>2</sub>R Autoantibodies and Response to Rituximab Treatment in Membranous Nephropathy

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**Supplemental Figure 1:** Log<sub>10</sub> plot showing median proteinuria values at baseline and following treatment in those individuals who cleared the anti-PLA<sub>2</sub>R antibodies (Group 1) versus those that had persistent anti-PLA<sub>2</sub>R throughout follow-up (Group 2). NR, no response; PR, partial response; CR, complete response. Dashed lines and subject numbers in the bottom graph correspond to the two patients missing 12 month anti-PLA<sub>2</sub>R data.

	<b>12 month proteinuria</b>	<b>24 month proteinuria</b>
<b>Baseline anti-PLA<sub>2</sub>R</b>	<b>r=0.517</b> p=0.00981	NS
<b>1 month anti-PLA<sub>2</sub>R</b>	<b>r=0.764</b> p=0.0000002	<b>r=0.663</b> p=0.00188
<b>3 month anti-PLA<sub>2</sub>R</b>	<b>r=0.821</b> p=0.0000002	<b>r=0.818</b> p=0.0000002
<b>6 month anti-PLA<sub>2</sub>R</b>	<b>r=0.620</b> p=0.00349	<b>r=0.484</b> p=0.0484
<b>12 month anti-PLA<sub>2</sub>R</b>	<b>r=0.457</b> p=0.0281	NS
<b>1 month % baseline anti-PLA<sub>2</sub>R</b>	<b>r=0.615</b> p=0.00237	<b>r=0.586</b> p=0.0084
<b>3 month % baseline anti-PLA<sub>2</sub>R</b>	<b>r=0.757</b> p=0.0000002	<b>r=0.777</b> p=0.0000002
<b>6 month % baseline anti-PLA<sub>2</sub>R</b>	<b>r=0.616</b> p=0.00381	NS
<b>12 month % baseline anti-PLA<sub>2</sub>R</b>	<b>r=0.448</b> p=0.0317	NS
<b>Slope log<sub>10</sub> (anti-PLA<sub>2</sub>R) through 6 mo.</b>	<b>r=0.694</b> p=0.000121	<b>r=0.528</b> p=0.02
<b>Slope log<sub>10</sub> (anti-PLA<sub>2</sub>R) through 12 mo.</b>	NS	NS

**Supplemental Table 1:** Anti-PLA<sub>2</sub>R levels at various time points were expressed as actual levels (in arbitrary densitometric units) or as a percentage of the baseline value and correlated with 12 and 24 month proteinuria. Correlation coefficients and p values are provided for significant ( $p < 0.05$ ) correlations. The slopes of log<sub>10</sub> transformed anti-PLA<sub>2</sub>R level over the first 6 or 12 months of follow-up were also calculated and correlated with 12 and 24 month proteinuria values. We assigned a value of 500 (half of our threshold detection value) to anti-PLA<sub>2</sub>R values less than 500, in order to limit the influence of these low values in our log<sub>10</sub>-transformed plots and calculations of slope.

	<b>Total</b>	<b>aPLA<sub>2</sub>R positive</b>	<b>aPLA<sub>2</sub>R negative</b>	<b>P value</b>
<b>N =</b>	35	25	10	
<b>Age (± SD), yr</b>	48 ± 11	49 ± 12	47 ± 10	0.67
<b>Gender (M:F)</b>	30:5	22:3	8:2	0.54
<b>Disease duration (range), mo</b>	10 (4-144)	10 (4-144)	9 (5-108)	0.81
<b>Serum Cr (± SD), mg/dl</b>	1.5 ± 0.5	1.5 ± 0.5	1.4 ± 0.5	0.68
<b>Cr Cl (± SD), ml/min/1.73 m<sup>2</sup></b>	78 ± 32	74 ± 31	87 ± 34	0.28
<b>Proteinuria (range), g/24 hr</b>	10.8 (5.7-26.5)	10.8 (7.0-26.5)	9.9 (5.7-23.4)	0.41
<b>Anti-PLA<sub>2</sub>R (densitometric units)</b>		24882 (9395-31994)	0	< 0.001

**Supplemental Table 2:** Baseline characteristics of the combined rituximab treatment cohorts comparing patients positive and negative for anti-PLA<sub>2</sub>R (with p value). Baseline demographics of the entire population are provided as a reference. Cr, creatinine; Cr Cl, creatinine clearance; aPLA<sub>2</sub>R, anti-PLA<sub>2</sub>R.