

**Additional file 4.** Multivariate binary logistic regression to evaluate non responsiveness to ESAs between the 2<sup>nd</sup> and the 6<sup>th</sup> month after ID in cancer patients

	<b>Non responsiveness (Hb&lt;11g/dL) N=135</b>	
	<b>OR (95% CI)</b>	<b>P-value</b>
<b>Baseline Hb - g/dL</b>	<b>0.5 (0.3-0.8)</b>	<b>0.003</b>
<b>Acidosis</b>	0.6 (0.3-1.1)	0.109
<b>Concomitant drugs</b>		
High dosage ACE inhibitors/ARBs	1.6 (0.5-5.0)	0.391
<b>Laboratory values</b>		
Albumin (g/dL)	1.0 (0.6-1.6)	0.907
Ferritin (mcg/L)	1.0 (1.0-1.1)	0.233

Cancer ESA users with at least two consecutive Hb values  $\geq 11$  g/dL registered between the 2<sup>nd</sup> and the 6<sup>th</sup> month after ID were considered ESA responders

Vitamin B<sub>12</sub> covariates were excluded because of the high proportion of missing values (>70%)