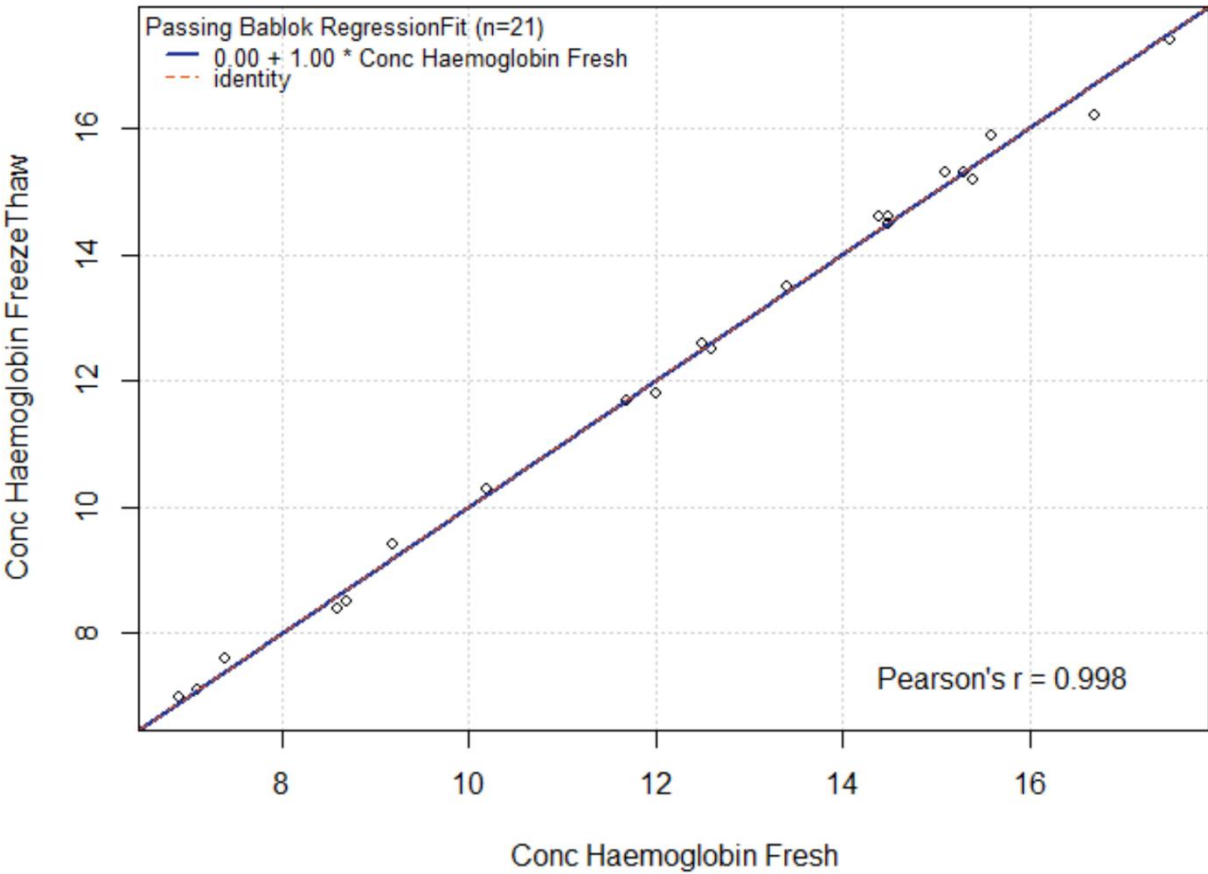


**Supplemental Figure 1**

Passing-Bablok plot of measurement of hemoglobin concentration in fresh vs. frozen and thawed samples. The plot was generated using R software.



Conc, Concentration

### Supplemental Table 1

Overlap of diagnostic criteria for iron deficiency in the TIDL study.

	TSat < 20%, n	TSat ≥ 20 %, n	Total, n
Ferritin < cutoff, n	40	34	74
Ferritin ≥ cutoff, n	167	758	925
Total, n	207	792	999

Ferritin cutoff: 100 µg/L if CRP ≥ 5 mg/L. 30 µg/L if CRP < 5 mg/L.

TSat, Transferrin saturation

### Supplemental Table 2

Prevalence of anemia and elevated hemoglobin, by groups of COPD and emphysema

	Total n = 1002	COPD – Emphysema – n = 671	COPD – Emphysema + n = 98	COPD + Emphysema – n = 132	COPD + Emphysema + n = 100
Anemia <sup>a</sup> , n (%)	81 (8)	54 (8)	8 (8)	9 (7)	10 (10)
Hemoglobin > ref. range <sup>b</sup> , n (%)	40 (4)	27 (4)	4 (4)	7 (5)	2 (2)

<sup>a</sup> WHO defined anemia: Females: Hemoglobin < 12 g/dL. Males: Hemoglobin < 13 g/dL

<sup>b</sup> Reference range of hemoglobin: Females: 11.7–15.3 g/dL, Males: 13.4–17.0 g/dL