Online Supplementary Table 2 Spearman correlations between Delta N2 and (expiratory/inspiratory) values, for the four slices.

	Delta N2	
	value	P
E/I_{MLD}1	0.39444	**0.0001**
$E/I_{850-1024}$ 1	0.31606	**0.0021**
$E/I_{850-910}$ 1	0.35737	**0.0005**
E/I_{MLD} 2	0.45451	**<.0001**
$E/I_{850-1024}$ 2	0.30639	**0.0030**
$E/I_{850-910}$ 2	0.37390	**0.0002**
E/I_{MLD} 3	0.38598	**0.0001**
$E/I_{850-1024}$ 3	0.23977	**0.0213**
$E/I_{850-910}$ 3	0.34211	**0.0008**
E/I_{MLD} 4	0.29793	**0.0039**
$E/I_{850-1024}$ 4	0.18236	**0.0819**
$E/I_{850-910}$ 4	0.29647	**0.0041**
E/I_{MLD} MEAN	0.40075	**<.0001**
$E/I_{850-1024}$ MEAN	0.29556	**0.0042**
$E/I_{850-910}$ MEAN	0.37355	**0.0002**
$(E-I)/I_{MLD}$ 1	0.39444	**0.0001**
$(E-I)/I_{850-1024}$ 1	0.31606	**0.0021**
$(E-I)/I_{850-910}$ 1	0.35737	**0.0005**
$(E-I)/I_{MLD}$ 2	0.45451	**<.0001**
$(E-I)/I_{850-1024}$ 2	0.30639	**0.0030**
$(E-I)/I_{850-910}$ 2	0.37390	**0.0002**
$(E-I)/I_{MLD}$ 3	0.38598	**0.0001**
$(E-I)/I_{850-1024}$ 3	0.23977	**0.0213**
$(E-I)/I_{850-910}$ 3	0.34211	**0.0008**
$(E-I)/I_{MLD}$ 4	0.29793	**0.0039**
$(E-I)/I_{850-1024}$ 4	0.18236	**0.0819**
$(E-I)/I_{850-910}$ 4	0.29647	**0.0041**
$(E-I)/I_{MLD}$ MEAN	0.40075	**<.0001**
$(E-I)/I_{850-1024}$ MEAN	0.29556	**0.0042**
$(E-I)/I_{850-910}$ MEAN	0.37355	**0.0002**