

Figure S2. Distribution of lesion to normal ratio (L/N) of chromophores in malignancy and benign groups (only BI-RADS category 4A cases)

White and red bars represent benign and malignant lesions, respectively. The mean value for each group is represented on the graph by a circle. The box in the plot represents the interquartile range, with the median value indicated by a line inside the box. The whiskers in the plot represent the range of values within a certain distance from the first and third quartiles, with any outliers indicated by dots or asterisks outside the whiskers. The blue star on the plot indicates a statistically significant difference between the two groups, as determined by a Wilcoxon Rank Sums test (P values provided). BI-RADS = Breast Imaging Reporting and Data System, THC = total hemoglobin concentration, StO₂ = percent oxygen saturation, Lipid = bulk lipid, HbO₂ = oxy-hemoglobin, HHb = deoxy-hemoglobin, TOI = tissue optical index.