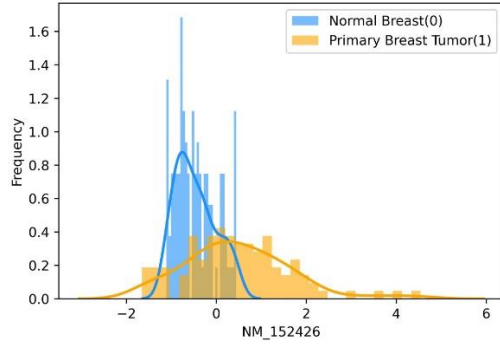
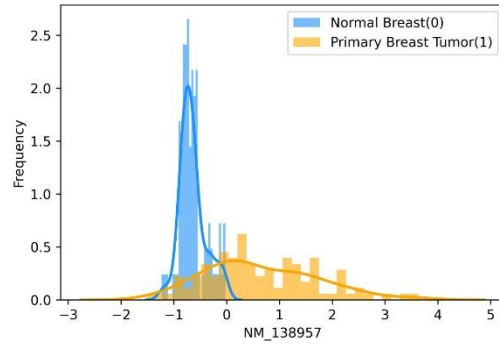


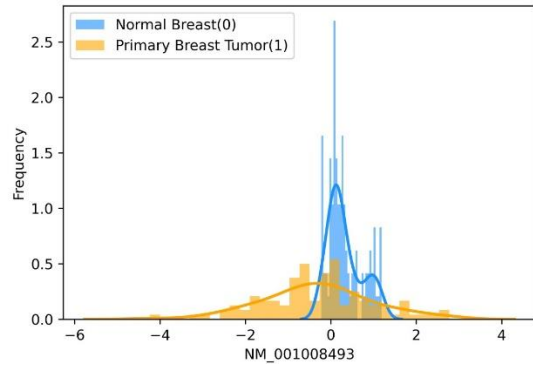
## Supplementary material



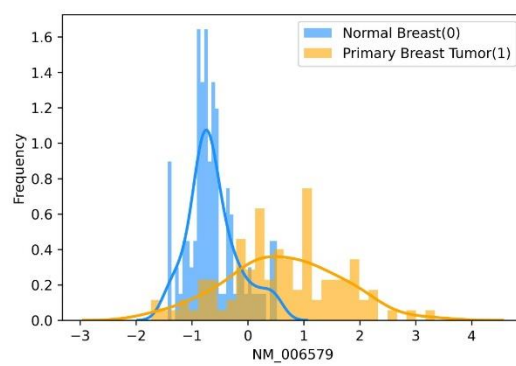
(a)



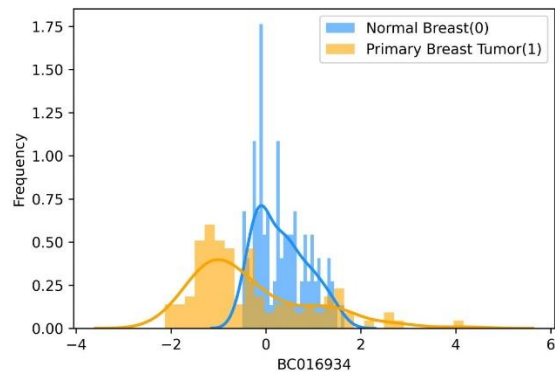
(b)



(c)



(d)



(e)

**Supplementary Figure S1 (a-e).** A pictorial representation of the histogram-based frequency distribution of the three optimal gene biomarkers (a) 'NM\_152426', (b) 'NM\_138957', (c) 'NM\_001008493', (d) 'NM\_006579', and (e) 'NM\_BC016934', between the two classes of population (normal breast and primary breast tumor samples).