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Reporting Summary

Nature Portfolio wishes to improve the reproducibility of the work that we publish. This form provides structure for consistency and transparency in reporting. For further information on Nature Portfolio policies, see our <u>Editorial Policies</u> and the <u>Editorial Policy Checklist</u>.

For all statistical analyses, confirm that the following items are present in the figure legend, table legend, main text, or Methods section.

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n/a	Confirmed			
	The exact	sample size (n) for each experimental group/condition, given as a discrete number and unit of measurement		
	A stateme	ent on whether measurements were taken from distinct samples or whether the same sample was measured repeatedly		
	The statist	tical test(s) used AND whether they are one- or two-sided on tests should be described solely by name; describe more complex techniques in the Methods section.		
	A descript	ion of all covariates tested		
	A descript	ion of any assumptions or corrections, such as tests of normality and adjustment for multiple comparisons		
	A full description of the statistical parameters including central tendency (e.g. means) or other basic estimates (e.g. regression coefficient) AND variation (e.g. standard deviation) or associated estimates of uncertainty (e.g. confidence intervals)			
	For null hypothesis testing, the test statistic (e.g. <i>F</i> , <i>t</i> , <i>r</i>) with confidence intervals, effect sizes, degrees of freedom and <i>P</i> value noted Give <i>P</i> values as exact values whenever suitable.			
\boxtimes	For Bayes	ian analysis, information on the choice of priors and Markov chain Monte Carlo settings		
\boxtimes	For hierar	chical and complex designs, identification of the appropriate level for tests and full reporting of outcomes		
\boxtimes	Estimates	of effect sizes (e.g. Cohen's d , Pearson's r), indicating how they were calculated		
		Our web collection on <u>statistics for biologists</u> contains articles on many of the points above.		
So	ftware an	d code		
Poli	cy information	about <u>availability of computer code</u>		
Da	ata collection	Manual collection		
Da	ata analysis	Python, Pandas, Scify		
		custom algorithms or software that are central to the research but not yet described in published literature, software must be made available to editors and encourage code deposition in a community repository (e.g. GitHub). See the Nature Portfolio guidelines for submitting code & software for further information.		

Data

Policy information about <u>availability of data</u>

All manuscripts must include a <u>data availability statement</u>. This statement should provide the following information, where applicable:

- Accession codes, unique identifiers, or web links for publicly available datasets
- A description of any restrictions on data availability
- For clinical datasets or third party data, please ensure that the statement adheres to our policy

The data that support the findings of the study are not openly available due to reasons for patient data security and IRB considersations. The data are available from the corresponding author upon reasonable request. Data are located in a controlled accessed data storage at sheba medical center.

Research involving human participants, their data, or biological material
Policy information about studies with human participants or human data. See also policy information about sex, gender (identity/presentation),

Reporting on sex and gender Reporting on race, ethnicity, or other socially relevant groupings Population characteristics Female patents with breast tumors mean age 49 Retrospective study on EMR. Potuent approval was walved by IRB Ethics oversight Sheba MEdical Center IRB Note that full information on the approval of the study protocol must also be provided in the manuscript. Field-specific reporting Please select the one below that is the best fit for your research. If you are not sure, read the appropriate sections before making your select the one below that is the best fit for your research. If you are not sure, read the appropriate sections before making your select the one below that is the best fit for your research. If you are not sure, read the appropriate sections before making your select the one below that is the best fit for your research. If you are not sure, read the appropriate sections before making your select ready of the document with all sections, see patine com/documents/fix reporting summon/lat self. Life sciences study design All studies must disclose on these points even when the disclosure is negative. Sample size 10 Data exclusions No data exclusion Replication Clinical data were collected from the EMR as clinical notes no changes were made Randomization No randomization needed Blinding Graded were blinded to tumor board response Reporting for specific materials, systems and methods used in many studies. Here, indicate whether early the require information from authors about some types of materials, experimental systems and methods used in many studies. Here, indicate whether early the particular is a section before selecting and involved in the study A minibal and other organisms Glinical data	and sexual orientation	ind <u>race, ethnicity and racism</u> .	
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