

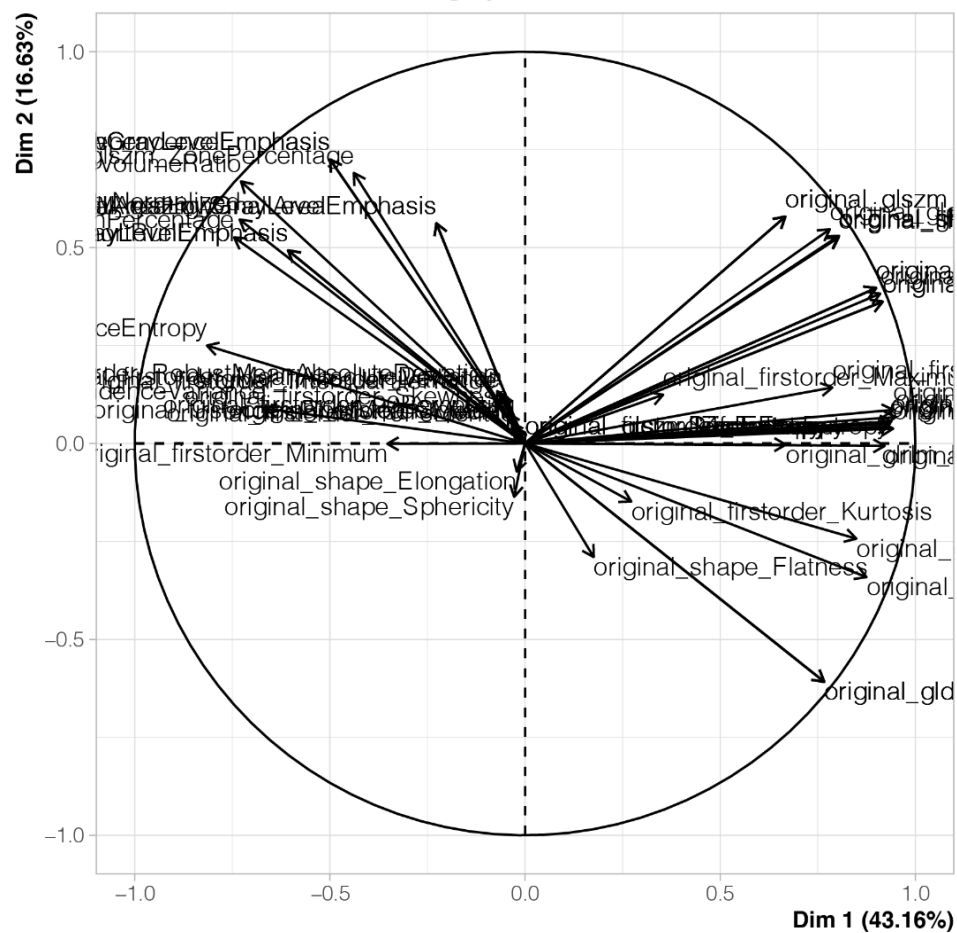
Supplementary Materials: Identification of CT Imaging Phenotypes of Colorectal Liver Metastases from Radiomics Signatures—Towards Assessment of Interlesional Tumor Heterogeneity

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Supplementary Material S1: List of R packages used.

Package	Version	Comment
readxl	1.3.1	import of data
ComplexHeatmap	2.6.2	heatmap visualization
pheatmap	1.0.12	heatmap
circlize	0.4.13	heatmap color schemes
Boruta	7.0.0	feature selection
dplyr	1.0.7	data manipulation/import
Caret	6.0-90	find correlation
glmnet	4.1-3	Lasso Regression

PCA graph of variables



Supplementary material S3: Pyradiomics Settings

Extraction parameters:

```
{'minimumROIDimensions': 2, 'minimumROISize': None, 'normalize': False, 'normalizeScale': 1, 'removeOutliers': None, 'resampledPixelSpacing': None, 'interpolator': 'sitkBSpline', 'preCrop': False, 'padDistance': 5, 'distances': [1], 'force2D': False, 'force2Ddimension': 0, 'resegmentRange': None, 'label': 1, 'additionalInfo': True}
```

Enabled filters:

```
{'Original': {}}
```

Enabled features:

```
{'firstorder': [], 'glcm': [], 'gldm': [], 'glrlm': [], 'glszm': [], 'ngtdm': [], 'shape': []}
```

Supplementary material S4: Results of LASSO regression

(Intercept)	2.60153257
original_shape_Elongation	.
original_shape_Flatness	.
original_shape_Sphericity	.
original_firstorder_Kurtosis	.
original_firstorder_Range	0.08451559
original_firstorder_RootMeanSquared	.
original_firstorder_Skewness	.
original_firstorder_Variance	.
original_glcm_JointEntropy	.
original_gldm_DependenceVariance	-0.21175140
original_glrlm_RunLengthNonUniformity	0.25892993
original_glrlm_ShortRunLowGrayLevelEmphasis	-0.30726364
original_glszm_LargeAreaEmphasis	.
original_glszm_SmallAreaEmphasis	.