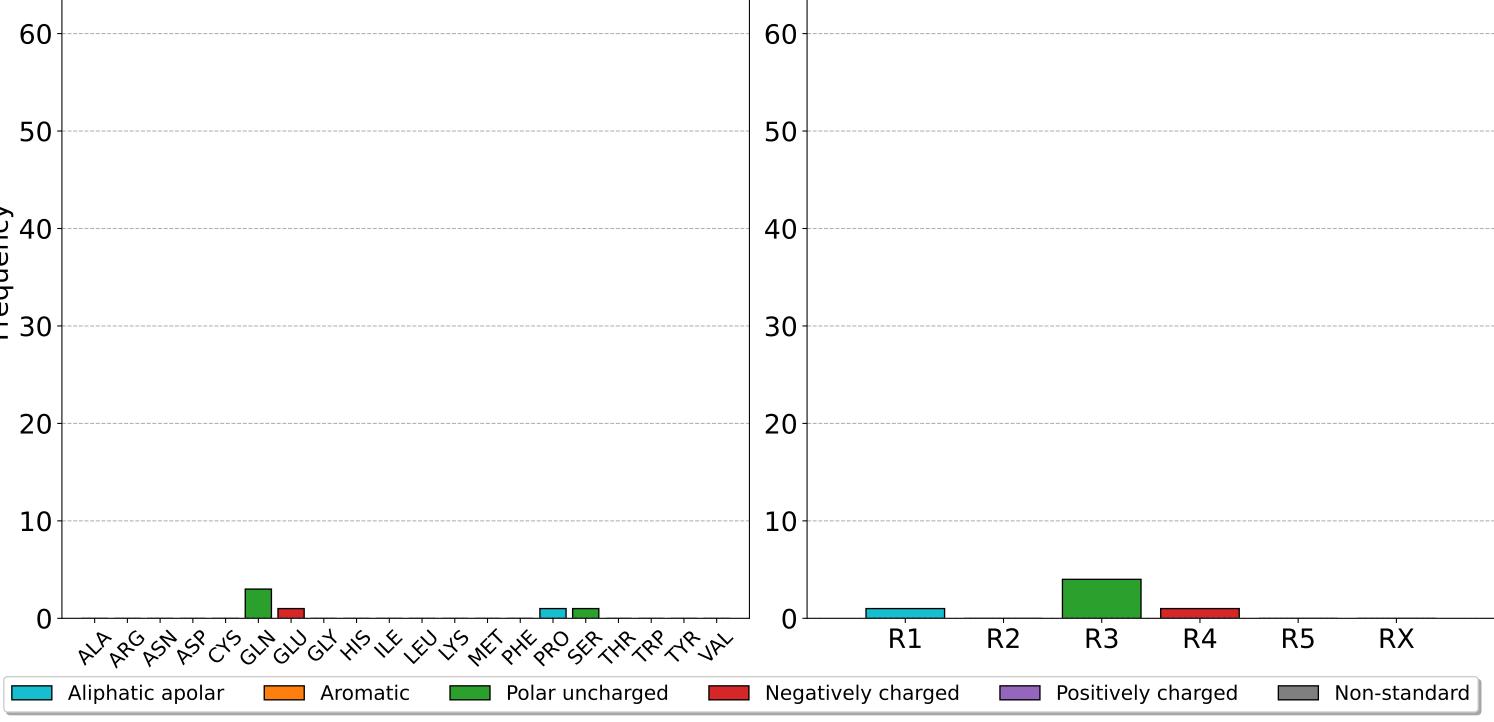
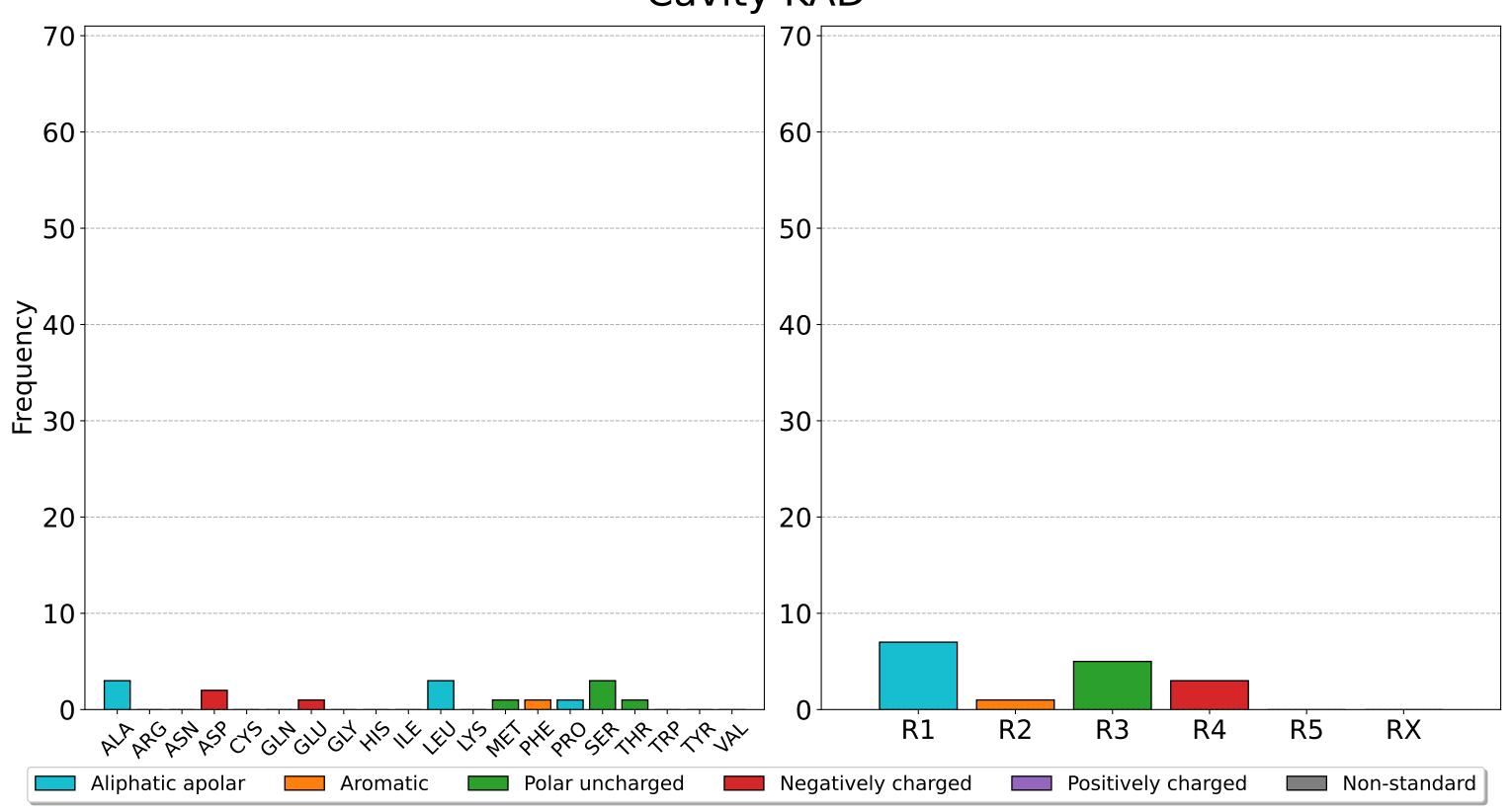
#### Cavity KAA 70 60 60 50 50 Frequency $\omega$ 40 30 20 20 10 10 R1 R2 **R**3 R4 R5 RX Aliphatic apolar Aromatic Polar uncharged Negatively charged Positively charged Non-standard

#### Cavity KAB 70 60 60 50 50 Frequency $\omega$ 40 30 20 20 10 10 R1 R2 **R**3 R4 R5 RX Positively charged Aliphatic apolar Aromatic Polar uncharged Negatively charged Non-standard

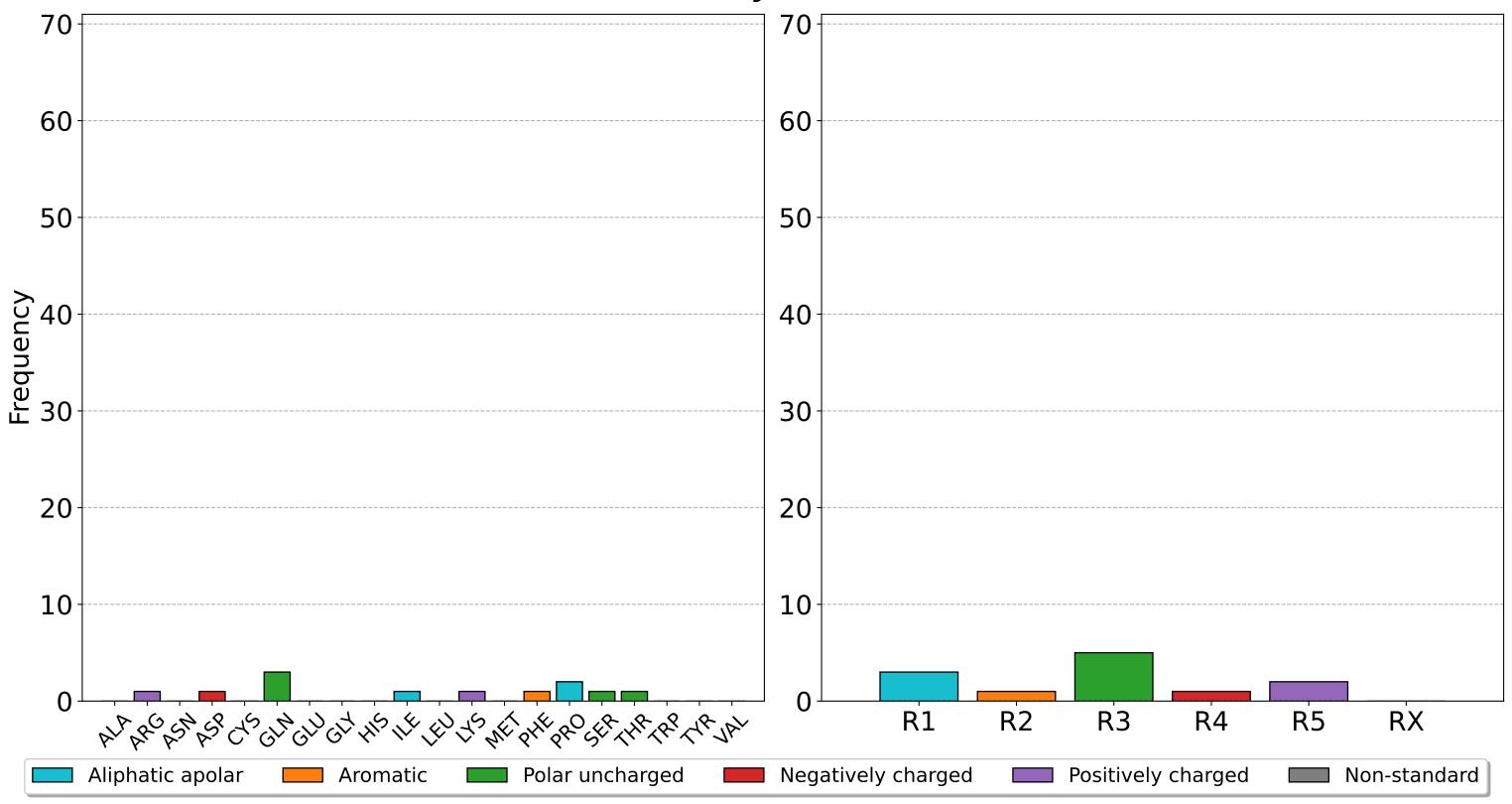
## Cavity KAC Frequency $\omega$



## Cavity KAD

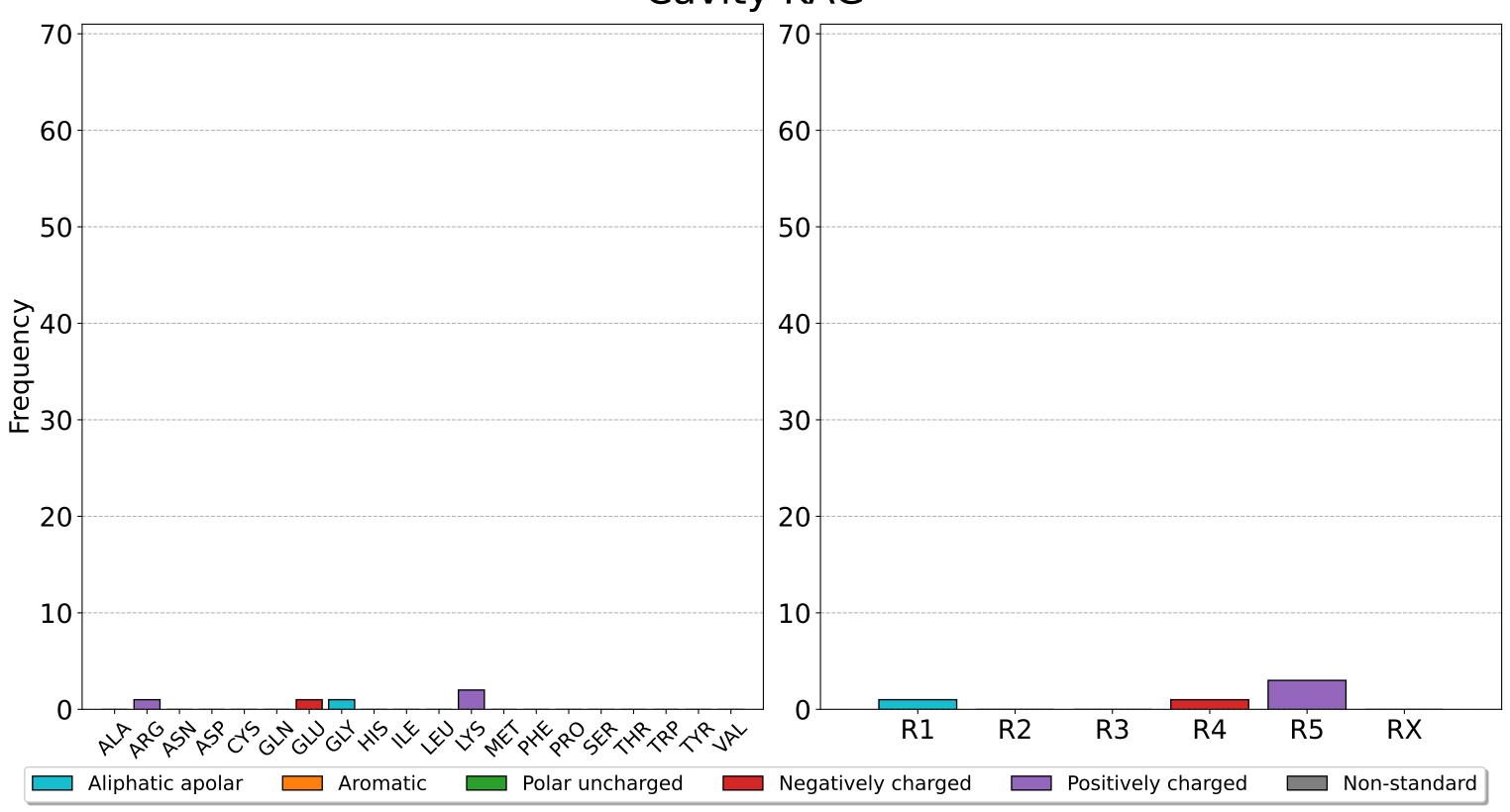


## Cavity KAE

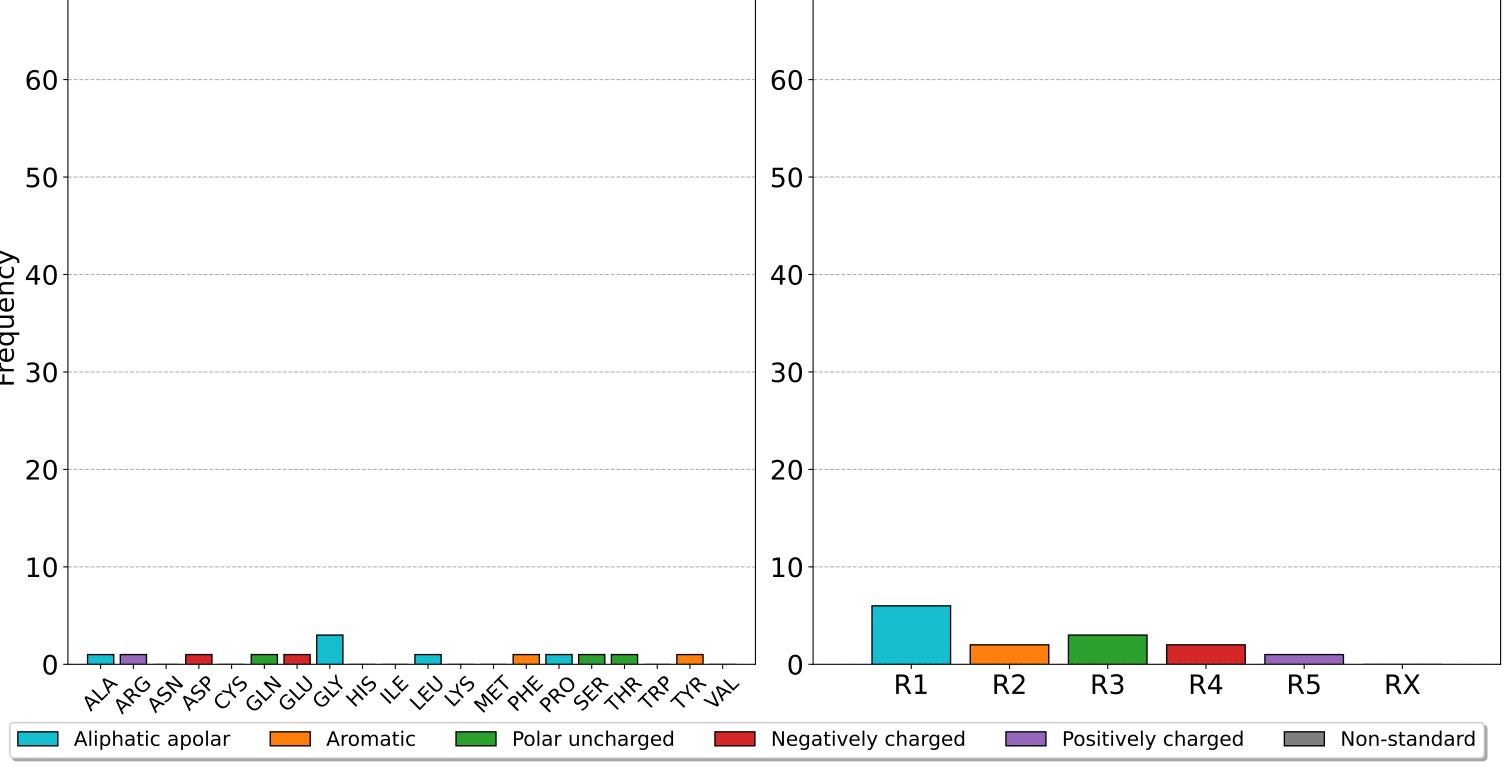


## Cavity KAF 70 60 60 50 50 Frequency $\omega$ 40 30 20 20 10 10 R<sub>2</sub> R1 **R**3 **R4** R5 RXPositively charged Aliphatic apolar Aromatic Polar uncharged Negatively charged Non-standard

# Cavity KAG



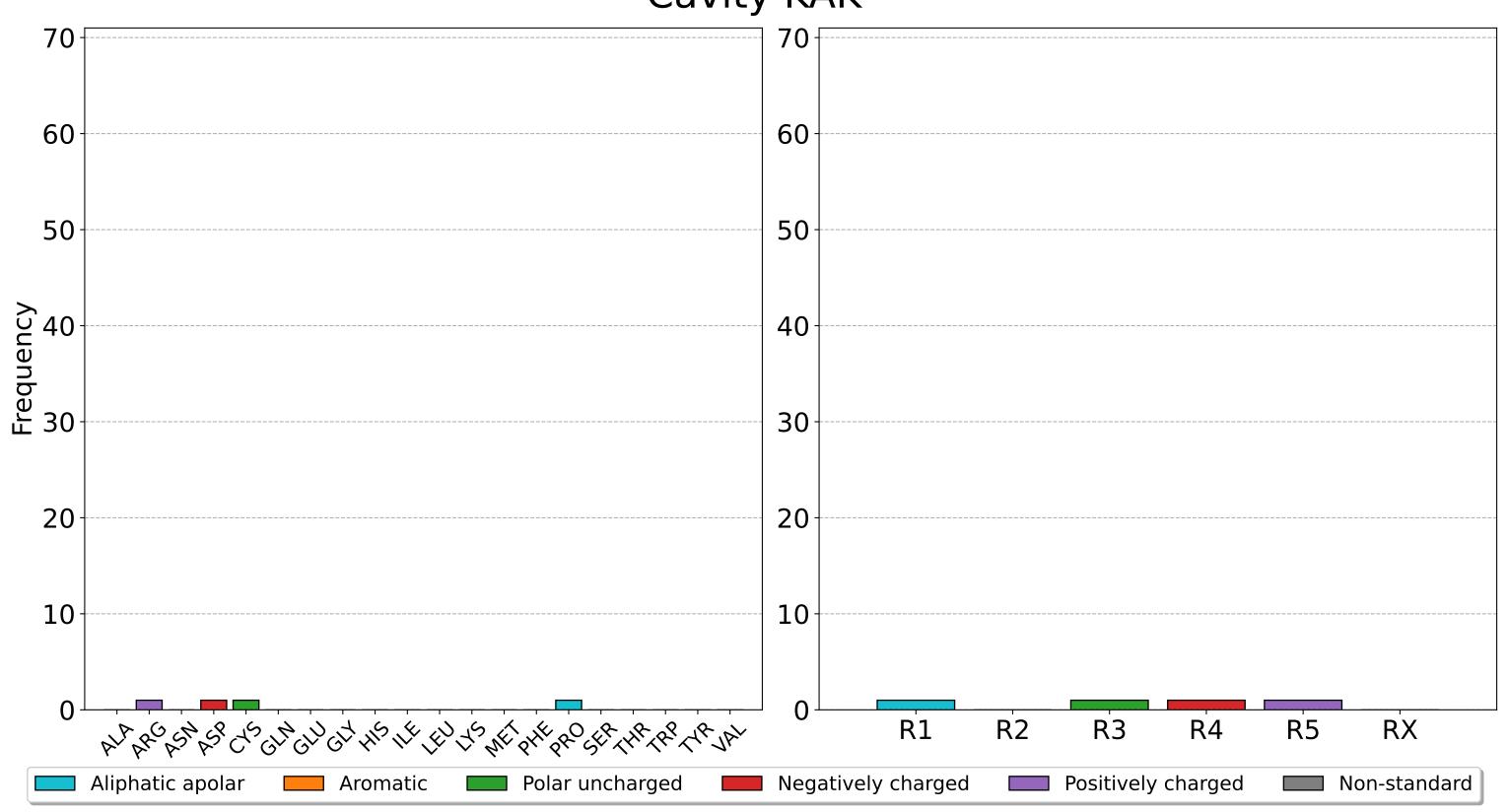
## Cavity KAH Frequency $\omega$



## Cavity KAI 70 60 60 50 50 Frequency $\omega$ 40 30 20 20 10 10 R2 R1 **R**3 **R4** R5 RXPositively charged Aliphatic apolar Aromatic Polar uncharged Negatively charged Non-standard

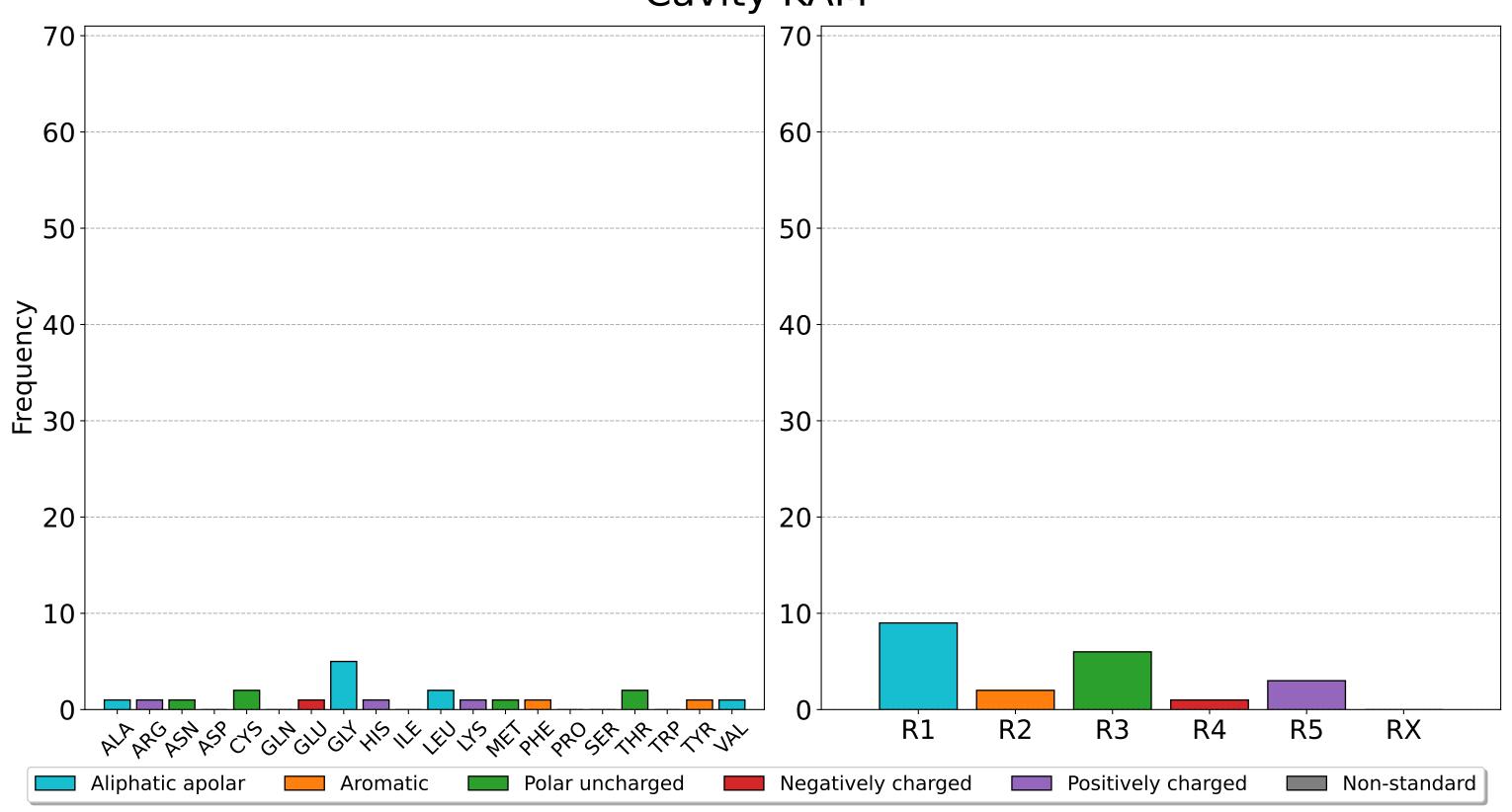
## Cavity KAJ 60 60 50 50 Frequency $\omega$ 40 30 20 20 10 10 R<sub>2</sub> R1 **R**3 **R4** R5 RXPositively charged Aliphatic apolar Aromatic Polar uncharged Negatively charged Non-standard

# Cavity KAK

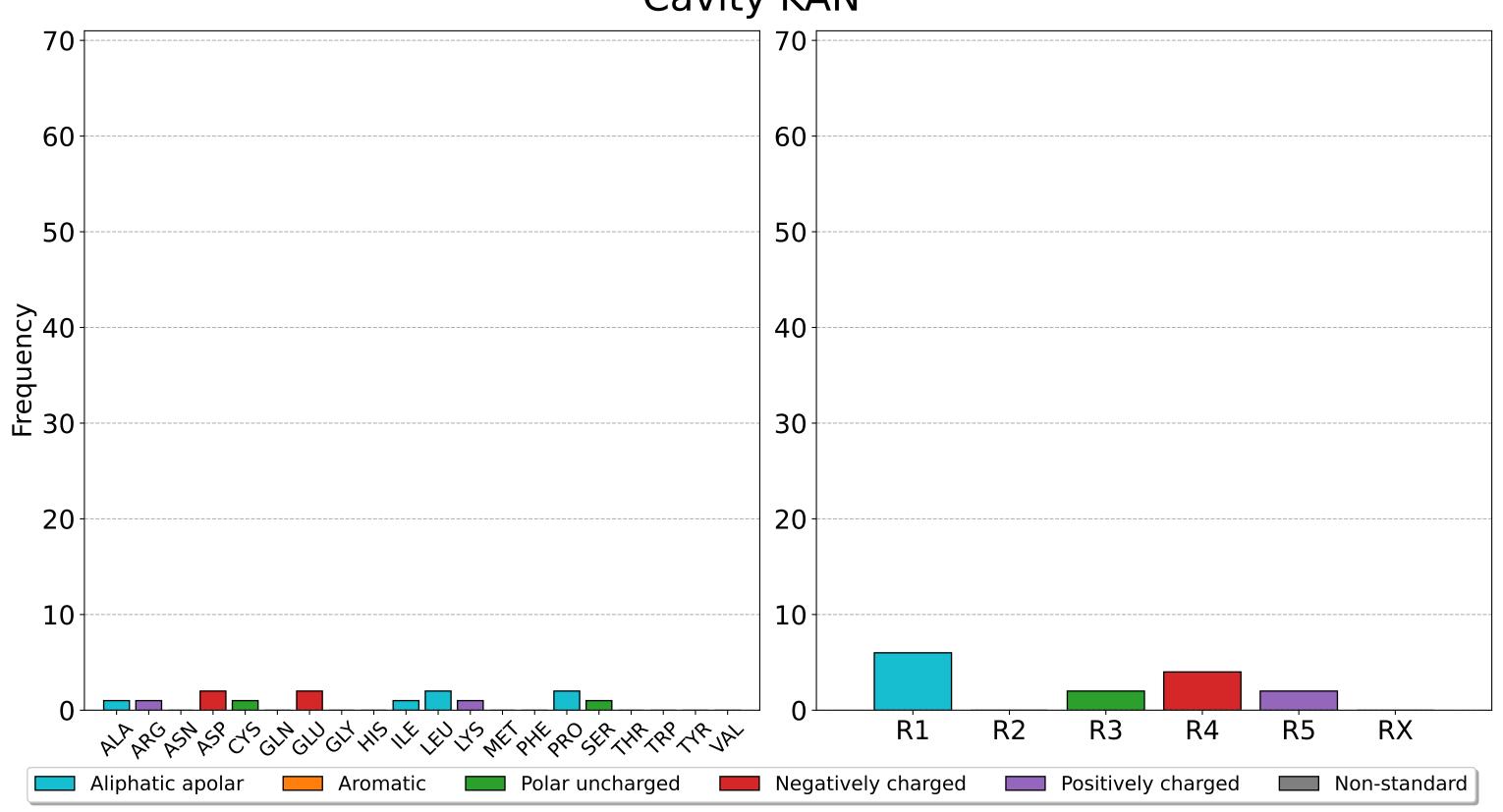


#### Cavity KAL 70 60 60 50 50 Frequency $\omega$ 40 30 20 20 10 10 R<sub>2</sub> R1 **R**3 R4 R5 RXPositively charged Aliphatic apolar Aromatic Polar uncharged Negatively charged Non-standard

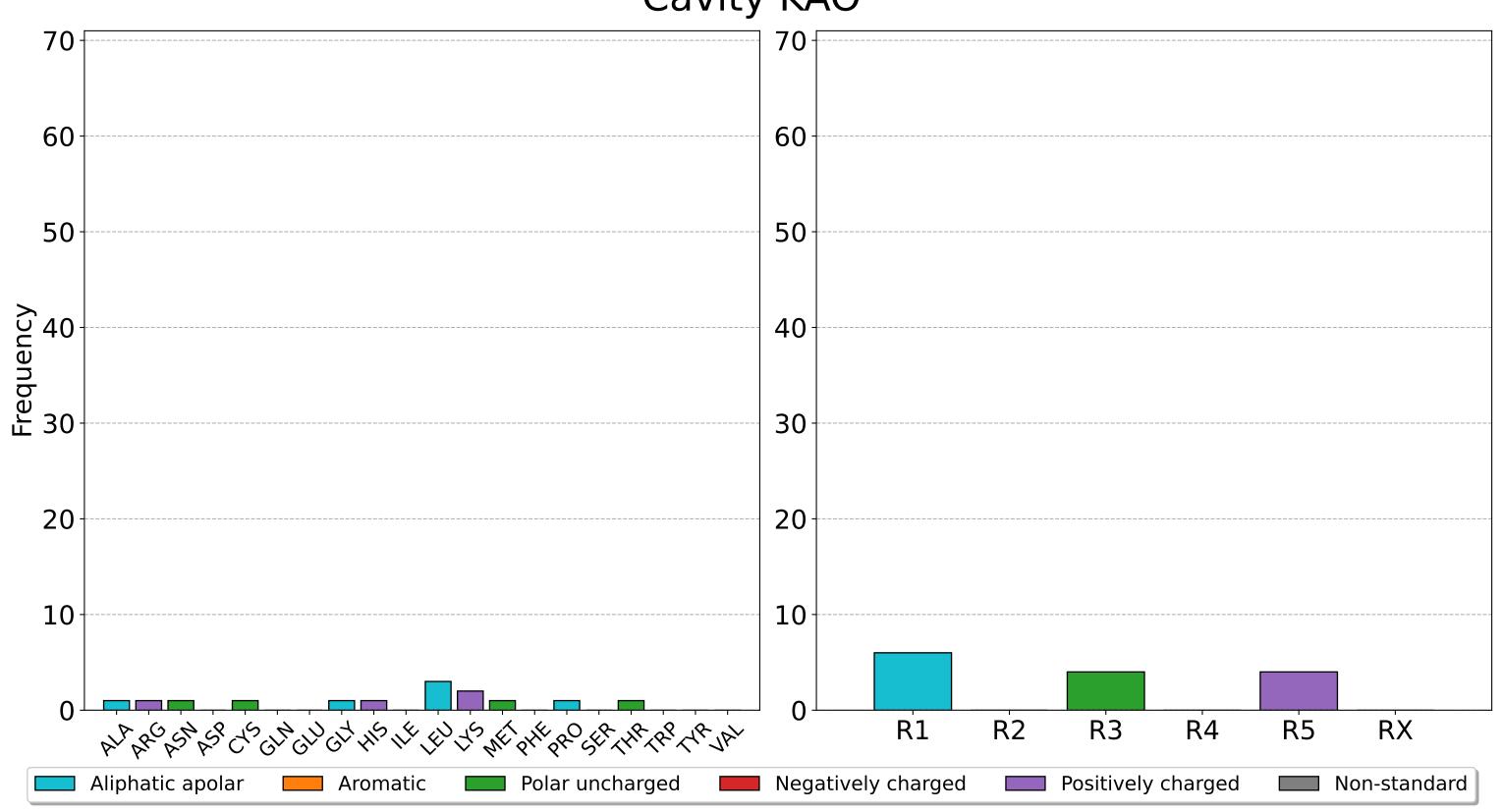
## Cavity KAM

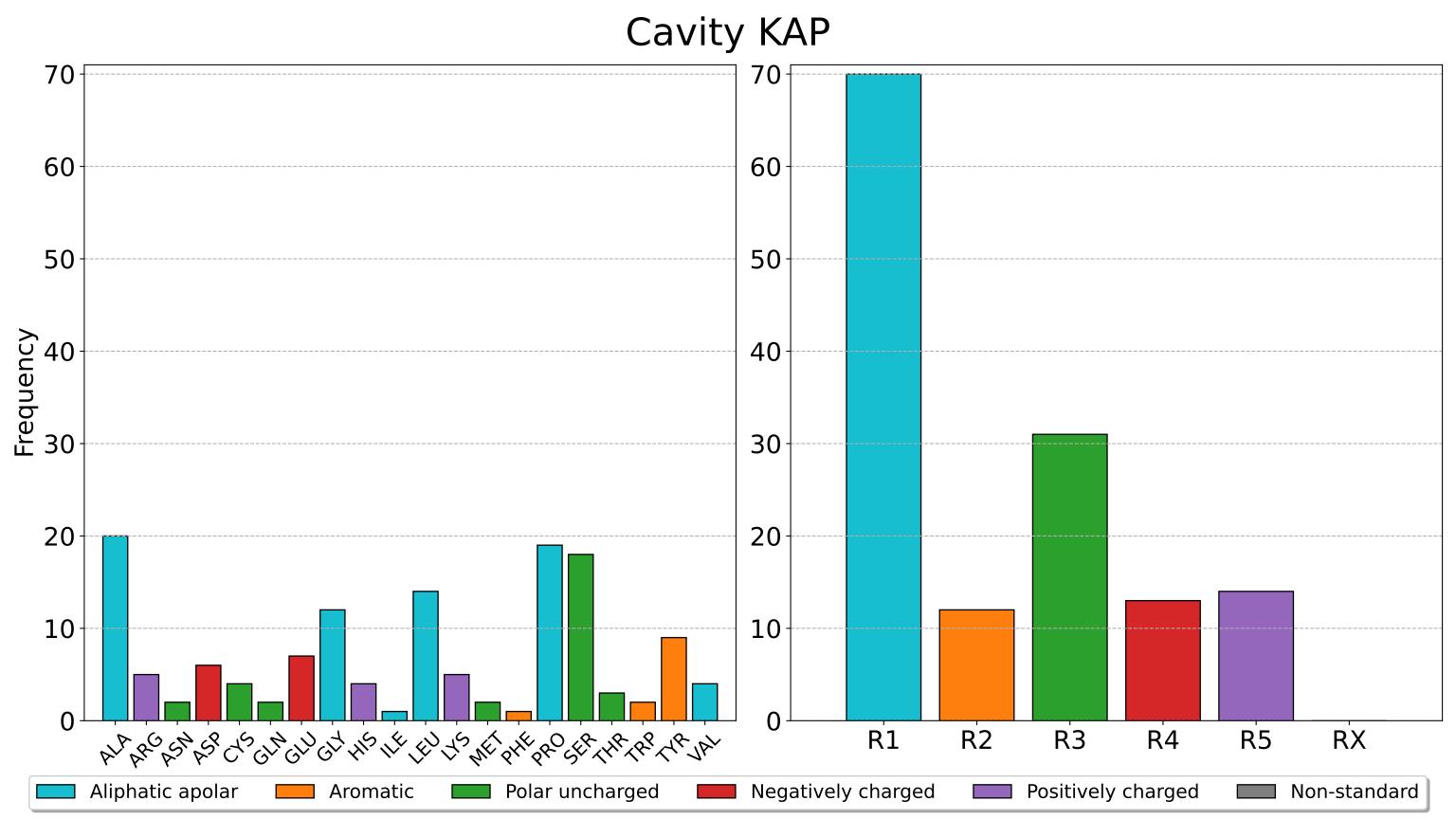


## Cavity KAN



## Cavity KAO

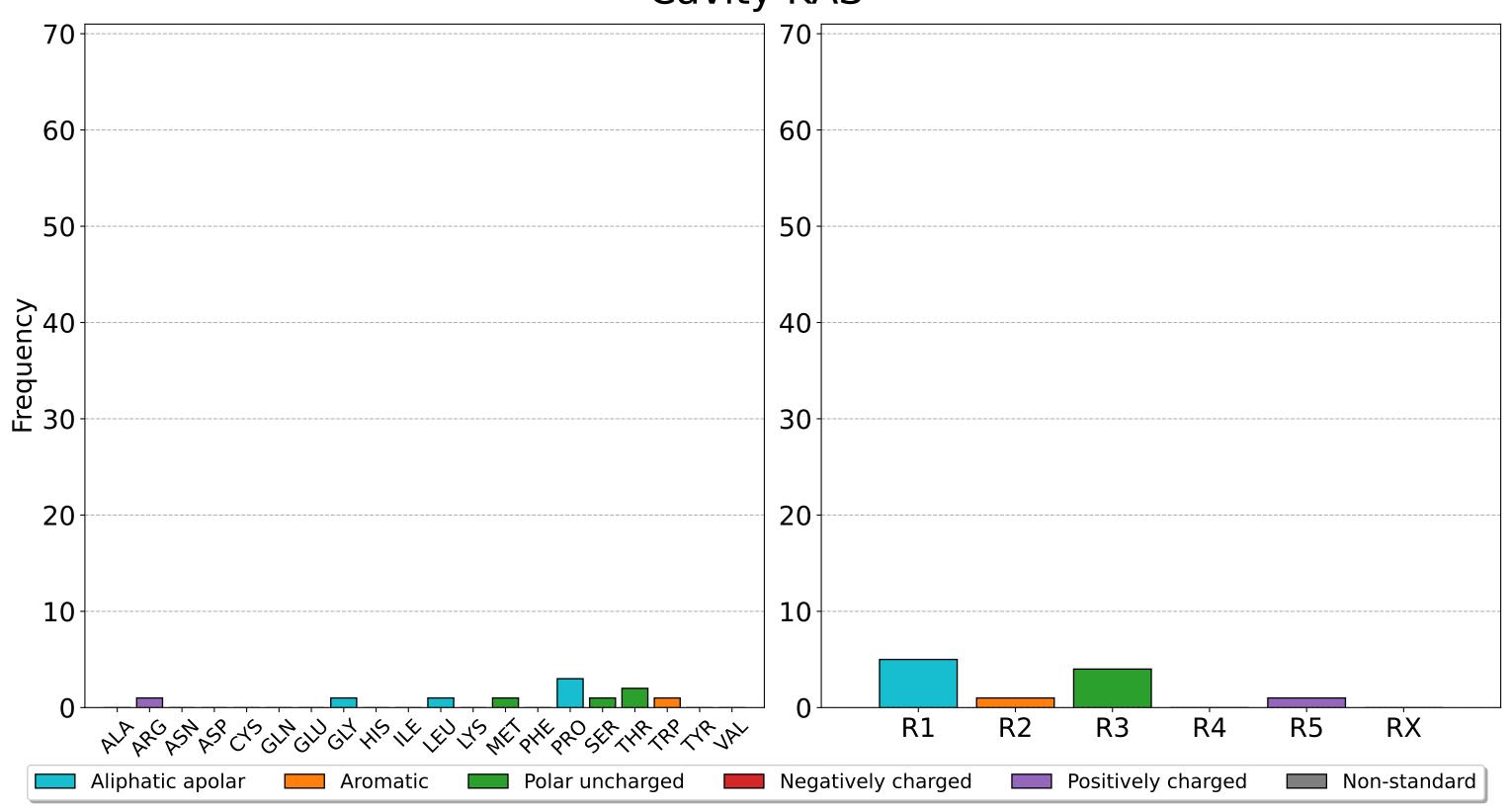




#### Cavity KAQ 70 60 60 50 50 Frequency $\omega$ 40 30 20 20 10 10 R1 R2 **R**3 **R4** R5 RXPositively charged Aliphatic apolar Aromatic Polar uncharged Negatively charged Non-standard

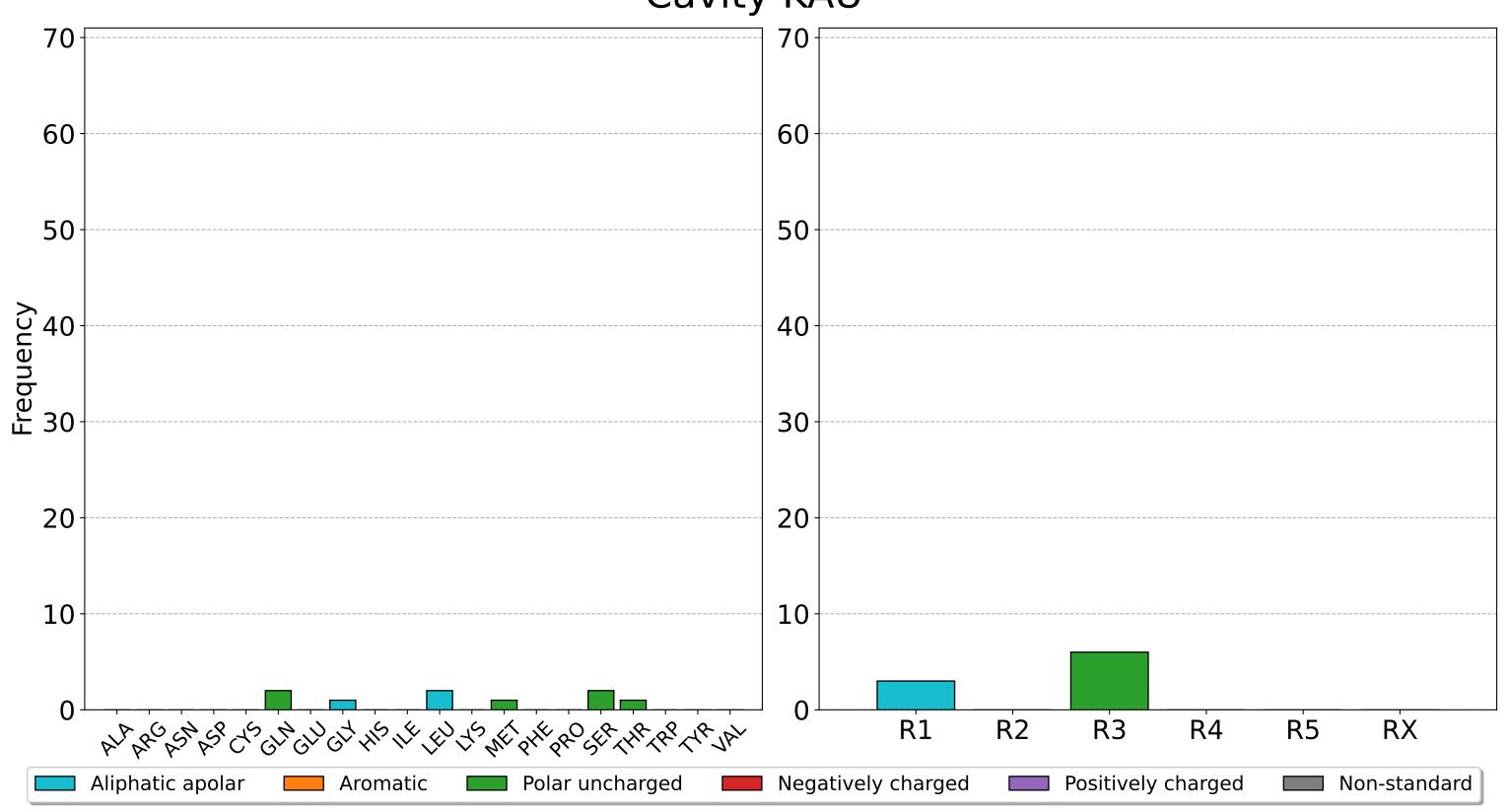
#### Cavity KAR 70 60 60 50 50 Frequency $\omega$ 40 30 20 20 10 10 R2 R1 **R**3 R4 R5 RX Positively charged Aliphatic apolar Aromatic Polar uncharged Negatively charged Non-standard

## Cavity KAS



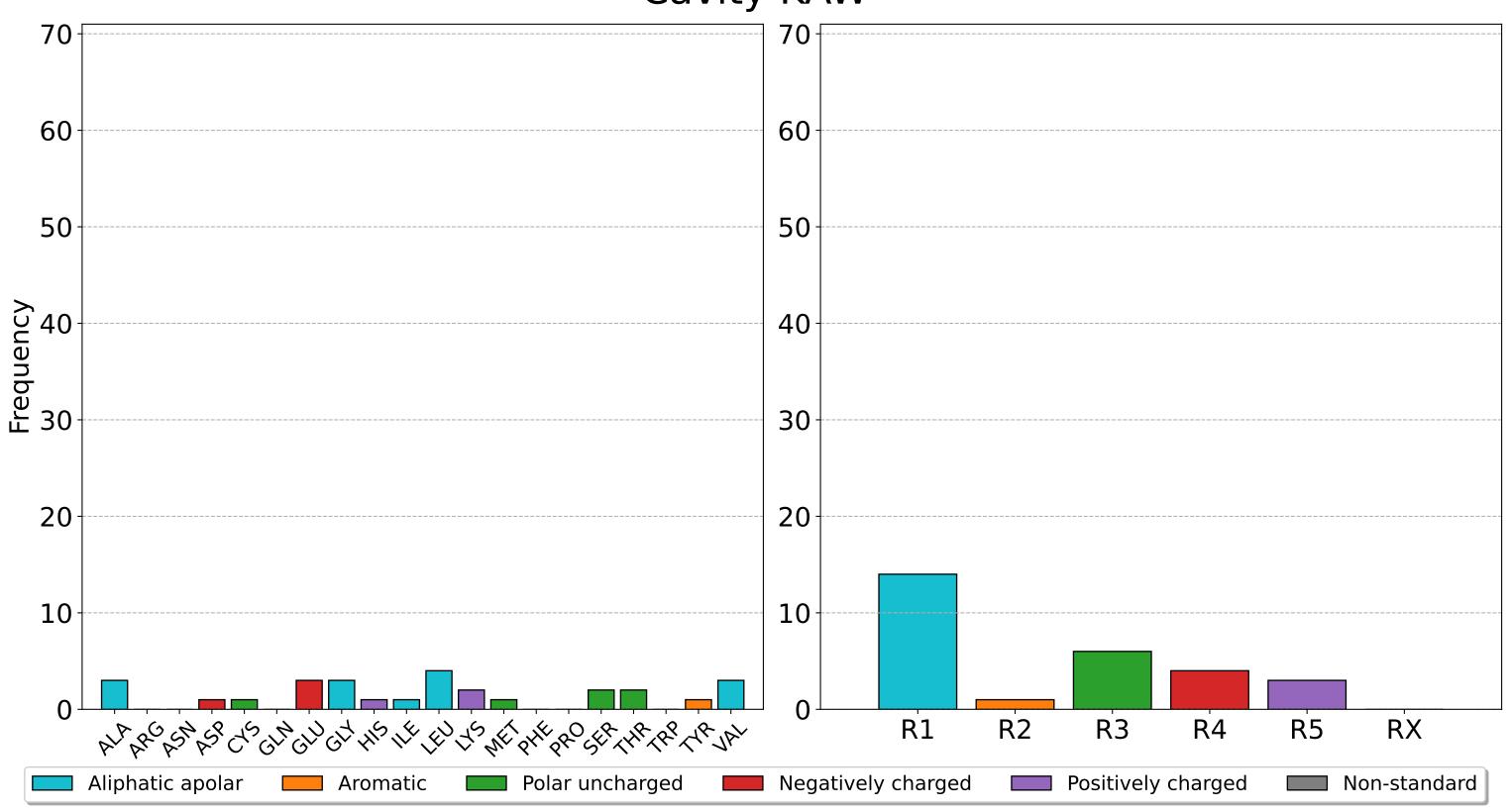
## Cavity KAT 70 60 60 50 50 Frequency $\omega$ 40 30 20 20 10 10 R1 R2 **R**3 **R4** R5 RXPositively charged Aliphatic apolar Aromatic Polar uncharged Negatively charged Non-standard

## Cavity KAU



## Cavity KAV 70 60 60 50 50 Frequency $\omega$ 40 30 20 20 10 10 R1 R2 **R**3 **R4** R5 RXPositively charged Aliphatic apolar Aromatic Polar uncharged Negatively charged Non-standard

## Cavity KAW



#### Cavity KAX 70 60 60 50 50 Frequency $\omega$ 40 30 20 20 10 10 **R**3 R1 R2 R4 R5 RX Positively charged Aliphatic apolar Aromatic Polar uncharged Negatively charged Non-standard

## Cavity KAY 70 60 60 50 50 Frequency $\omega$ 40 30 20 20 10 10 R<sub>2</sub> R<sub>5</sub> R1 **R**3 R4 RXPolar uncharged Positively charged Aliphatic apolar Aromatic Negatively charged Non-standard