|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Data set – Figure 4** | **Apo p110𝛾** | **+ IPI-549** | **+ AZg1/AZ** | **+ AS-605240** |
| HDX reaction details | %D2O=75.5%pH(read)=7.5Temp=18ºC | %D2O=75.5%pH(read)=7.5Temp=18ºC | %D2O=75.5%pH(read)=7.5Temp=18ºC | %D2O=75.5%pH(read)=7.5Temp=18ºC |
| HDX time course (seconds) | 3, 30, 300, 3000 | 3, 30, 300, 3000 | 3, 30, 300, 3000 | 3, 30, 300, 3000 |
| HDX controls | N/A | N/A | N/A | N/A |
| Back-exchange | Corrected based on %D2O | Corrected based on %D2O | Corrected based on %D2O | Corrected based on %D2O |
| Number of peptides | 180 | 180 | 180 | 180 |
| Sequence coverage | 88.6% | 88.6% | 88.6% | 88.6% |
| Average peptide/redundancy | Length= 13.4Redundancy= 2.2 | Length= 13.4Redundancy= 2.2 | Length= 13.4Redundancy= 2.2 | Length= 13.4Redundancy= 2.2 |
| Replicates | 3 | 3  | 3  | 3  |
| Repeatability | Average StDev=0.9% | Average StDev=0.9% | Average StDev=0.9% | Average StDev=0.9% |
| Significant differences in HDX | >5% and >0.4 Da and unpaired t-test ≤0.01 | >5% and >0.4 Da and unpaired t-test ≤0.01 | >5% and >0.4 Da and unpaired t-test ≤0.01 | >5% and >0.4 Da and unpaired t-test ≤0.01 |
| **Data set – Figure 4** | **+ Gedatolisib** | **+ Omipalisib** | **+ RD-HBC 520** | **+ PIK-90** |
| HDX reaction details | %D2O=75.5%pH(read)=7.5Temp=18ºC | %D2O=75.5%pH(read)=7.5Temp=18ºC | %D2O=75.5%pH(read)=7.5Temp=18ºC | %D2O=75.5%pH(read)=7.5Temp=18ºC |
| HDX time course (seconds) | 3, 30, 300, 3000 | 3, 30, 300, 3000 | 3, 30, 300, 3000 | 3, 30, 300, 3000 |
| HDX controls | N/A | N/A | N/A | N/A |
| Back-exchange | No correction | No correction | No correction | No correction |
| Number of peptides | 180 | 180 | 180 | 180 |
| Sequence coverage | 88.6% | 88.6% | 88.6% | 88.6% |
| Average peptide/redundancy | Length= 13.4Redundancy= 2.2 | Length= 13.4Redundancy= 2.2 | Length= 13.4Redundancy= 2.2 | Length= 13.4Redundancy= 2.2 |
| Replicates | 3  | 3  | 3  | 3  |
| Repeatability | Average StDev=0.9% | Average StDev=0.9% | Average StDev=0.9% | Average StDev=0.9% |
| Significant differences in HDX | >5% and >0.4 Da and unpaired t-test ≤0.01 | >5% and >0.4 Da and unpaired t-test ≤0.01 | >5% and >0.4 Da and unpaired t-test ≤0.01 | >5% and >0.4 Da and unpaired t-test ≤0.01 |