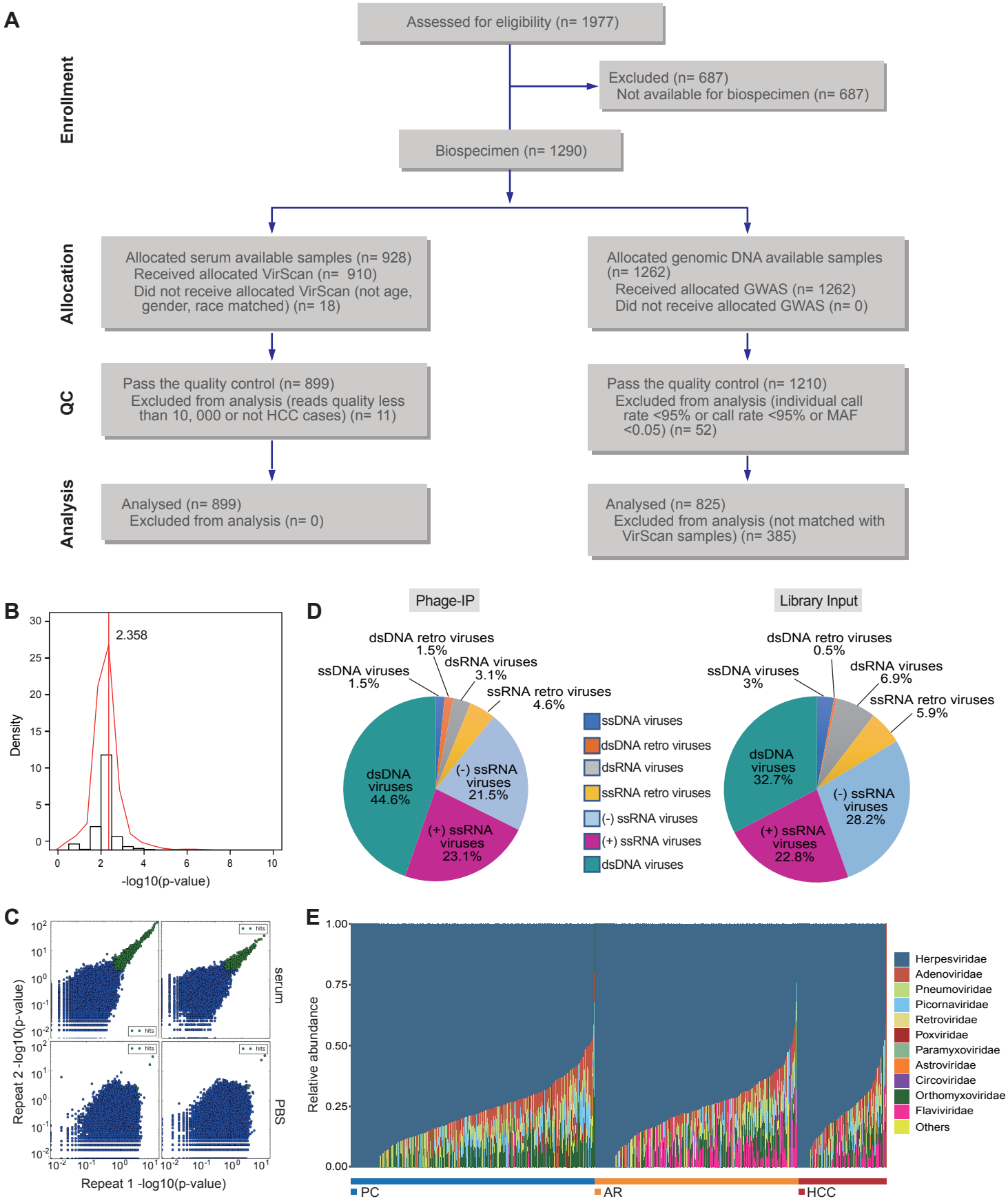
Suppl. Fig. S1


A
Enrollment
Assessed for eligibility (n= 1977)
Excluded (n= 687)
Not available for biospecimen (n= 687)
Biospecimen (n= 1290)
Allocation
Allocated serum available samples (n= 928)
Received allocated VirScan (n= 910)
Did not receive allocated VirScan (not age, gender, race matched) (n= 18)
Allocated genomic DNA available samples (n= 1262)
Received allocated GWAS (n= 1262)
Did not receive allocated GWAS (n= 0)
QC
Pass the quality control (n= 899)
Excluded from analysis (reads quality less than 10, 000 or not HCC cases) (n= 11)
Pass the quality control (n= 1210)
Excluded from analysis (individual call rate <95% or call rate <95% or MAF <0.05) (n= 52)
Analysis
Analysed (n= 899)
Excluded from analysis (n= 0)
Analysed (n= 825)
Excluded from analysis (not matched with VirScan samples) (n= 385)
B
2.358
Density
-log10(p-value)
C
Repeat 2 -log10(p-value)
Repeat 1 -log10(p-value)
hits
serum
PBS
D
Phage-IP
Library Input
dsDNA retro viruses 1.5%
dsRNA viruses 3.1%
ssDNA viruses 1.5%
ssRNA retro viruses 4.6%
dsDNA viruses 44.6%
(-) ssRNA viruses 21.5%
(+) ssRNA viruses 23.1%
dsDNA retro viruses 0.5%
dsRNA viruses 6.9%
ssDNA viruses 3%
ssRNA retro viruses 5.9%
dsDNA viruses 32.7%
(-) ssRNA viruses 28.2%
(+) ssRNA viruses 22.8%
ssDNA viruses
dsDNA retro viruses
dsRNA viruses
ssRNA retro viruses
(-) ssRNA viruses
(+) ssRNA viruses
dsDNA viruses
E
Relative abundance
Herpesviridae
Adenoviridae
Pneumoviridae
Picornaviridae
Retroviridae
Poxviridae
Paramyxoviridae
Astroviridae
Circoviridae
Orthomyxoviridae
Flaviviridae
Others
PC
AR
HCC