▲ HBV ■ HCV

RK268-tumor-XY

RK214-tumor-XY RK085-tumor-XY

RK143-tumorXY

RK118-tupppp3XYtuppor-XY RK029-tupppr2644Ltumor-XY RK156-tumor-XY RK052-tumor-XY

RK110-tumor-XY RK224-tumor-XY RK241-tumor-XY RK030-tumor-XY

RK133-tumeRK007-tBtk0087XYumor-XRK015-tumor-XY RK190-tumor-XY RK177-tumor-XY RK149-tumor-XY RK077-tumor-XY

RK037-tumor-XY

RK051-tumor-XY RK285-tumor-XY

RK185-tumor-XY RK019-tumor-XY PK104-fr RK104-tq rggs+xRKm34-tyRK05%Ytumor-XY RK004-tumor-XY RK036-tumor-XY RK106-tumor-XX

RK147-tumor-XY

RK118KadjacenthoXYXY

RK075-tumor-XY

RK201-tumor-XY

RK101-tumor-XY RK041-tumor-XY RK024-tumor-XY RK086-tumprode/2-tumor-XY RK041-tumor-AI

RK265-tumor-XK223-tumor-XY

RK256-tumor-XY

RK021-tumor-XY

RK026-tumor-XY

-1/157-tumor-XY RK159-tumor-XY RK103-tu**RRP198**Ytumor-XY RK054-tumor-XY RK043-tumor-XY

RK189-tumor-XY RK157-tumor-XY RK210-tumor-XY RKDGOLEUTHBROXYXY

> RK263-tumor-XY RK151-tumor-XY RK289-tumor-XY r—XY RK262—tumor—XY RK2食子16221411181—tumor—XY RK130—tu RK049-tumor-XY RK014-tumor-XY RK034-tumor-XY RK169-adjacent-XY

RK126-tumor-XY

RK181-tumor-XY

RK120-tumor-XY RK048-tumor-XY

RK003-tumor-XY

RK060-tumor-XY RK102-tumor-XY

RK207-tumor-XY RK079-tumor-XY

RK088-tumor-XY

RK111-tumor-XY

RK175-tumor-XY

RK027-tumor-XY

RK040-tumor-XX

RK230-tumor-XX

RK071-tumor-XX

RK284-tumor-XX RK044-tumor-XX RK155-tumor-XX

RK064-tumor-XX RK100-tumor-XX RK222-tumor-XX

RK163-tumor-XX RK186-tumor-XX RK211-tumor-XX RK028-tumor-XX RRY2996-thymogr-XXX

RK178-tumor-XX RK095-tumor-XX RK119-tumor-XX RK022-tumor-XX RK107-tumprz322-tumor-XX

RK193-tumor-XX RK098-tumor-XX RK216-tur**RQ**(1994-tumor-XX RK105-tumor-XY

RK266-tumor-XX

RK065-adjacent-XX

RK198-Rumbr-XX RK236-tumor-XX RK038-tumor-XX RK172-tumor-XX RK068-tumor-XX

RK083-tumor-XX RK025-tumor-XX

RK072-tumor-XX

RK117-tumor-XX RK202-tumor-XX

RK047-tumor-XX

RK066-adjacent-XX

RK141-tumor-XX

RK115-tumor-XX

RK243-tumor-XX

RK093-adjacent-XY

RK131-tumor-XY RKO559KondjacedjaceMt-XY

RK213-adjacent-XY RK043-adjacent-XY RK110-adjacent-XY

RK016-adjacent-XX

RK044-adjacent-XX

RK068 Rdjacent XX RK186-adjacent-XXK243-adjacent-XX

RK083-adbacent-XX RK095-adjacent-XX

RK064-adjacent-XX RK105-adjacent-XY RK211-adjacent-XX RK141-adjacent-XX

RK230-adjacent-XX RK100-adjacenkkt/22-adjacent-XX RK202Radjacentiaxxnt-XX RK107-adjacent-XX RK236-adjacent-XX RK236-adjacent-XX 3cent-XX

RK117-adjacent-XX

RK072-adjacent-XX RK216-adjacent-XX RK065-tumor-XX

RK071-adjaceht-XX

Male tumorFemale tumor Male adjacentFemale adjacent

Principal Component 1 (34%)