## **Supplementary Material**

Group	Total(N)	HR(95% CI)		P valu
ACC	79	2.172 (1.000 4.716)	<b>—</b>	0.0500
BLCA	411	1.163 (0.868 1.557)	<b>ip→</b>	0.311
BRCA	1086	1.456 (1.050 2.018)	<b>⊢</b>	0.0242
CESC	306	1.171 (0.736 1.862)	₩	0.5057
CHOL	35	0.564 (0.218 1.457)	<b>,</b> ← L-,	0.2369
COAD	477	0.640 (0.431 0.949)	<b>●</b>	0.026
DLBC	48	1.268 (0.307 5.233)	<del>-  •</del>	0.7424
ESCA	163	0.742 (0.454 1.214)	<b>₩</b>	0.2350
GBM	168	0.918 (0.652 1.291)	ı <b>∳</b> +	0.6213
HNSC	503	1.133 (0.867 1.481)	₩•	0.3607
KICH	64	3.494 (0.724 16.857)	, <del>  • • • • • • • • • • • • • • • • • • </del>	0.1192
KIRC	541	0.454 (0.331 0.623)	• !	9.83e-0
KIRP	290	0.654 (0.356 1.202)	•• <u>·</u> •	0.1718
LAML	139	1.514 (0.992 2.311)	<b>—</b>	0.0542
LGG	530	1.750 (1.226 2.498)	i⊷	0.0020
LIHC	373	1.627 (1.148 2.307)	I <del></del>	0.0062
LUAD	530	1.162 (0.872 1.547)	<b></b>	0.3063
LUSC	496	1.127 (0.860 1.479)		0.3860
MESO	86	0.973 (0.610 1.550)	<b>→</b>	0.9080
OV	379	1.243 (0.959 1.612)	1	0.1009
PAAD	179	1.836 (1.207 2.794)		0.0046
PCPG	184	2.777 (0.559 13.791)	1	0.2116
PRAD	501	1.766 (0.489 6.374)		0.385
READ	166	0.311 (0.131 0.742)	- i	0.008
SARC	263	1.243 (0.835 1.849)		0.283
SKCM	457	1.316 (0.999 1.733)		0.050
	370	0.890 (0.641 1.235)		
STAD				0.4842
TGCT	139 512	2.225 (0.225 22.029)		0.4942
THCA		1.557 (0.566 4.288) 1.045 (0.274 3.984)		0.3914
THYM	119	· · · · · · · · · · · · · · · · · · ·		0.9484
JCEC	553	0.864 (0.575 1.298)		0.4807
		(2)		
UCS UVM	57 80 ogress Free Interv	0.948 (0.487 1.848) 1.702 (0.714 4.058)	0 2 4 6 8	0.8768 0.230
UCS UVM	57 80	0.948 (0.487 1.848) 1.702 (0.714 4.058)	0 2 4 6 8	0.876
UCS UVM _AT - Pro	57 80 ogress Free Interv	0.948 (0.487 1.848) 1.702 (0.714 4.058)	0 2 4 6 8	0.8769 0.230
UCS UVM _AT - Pro Group	57 80 ogress Free Interv Total(N)	0.948 (0.487 1.848) 1.702 (0.714 4.058) val	0 2 4 6 8	0.8763 0.230 P valu 0.0462
UCS UVM _AT - Pro Group ACC	57 80 ogress Free Interv Total(N) 79	0.948 (0.487 1.848) 1.702 (0.714 4.058) val HR(95% CI) 1.898 (1.011 3.565)	0 2 4 6 8	0.8768 0.230 P valu 0.0462 0.0648
LAT - Pro Group ACC BLCA	57 80 ogress Free Interv Total(N) 79 412	0.948 (0.487 1.848) 1.702 (0.714 4.058) val  HR(95% CI) 1.898 (1.011 3.565) 1.321 (0.983 1.775)	0 2 4 6 8	P valu 0.046: 0.1290
LAT - Pro Group ACC BLCA BRCA	57 80 ogress Free Interv Total(N) 79 412 1086	0.948 (0.487 1.848) 1.702 (0.714 4.058) val  HR(95% CI) 1.898 (1.011 3.565) 1.321 (0.983 1.775) 1.289 (0.929 1.789)	0 2 4 6 8	P valu 0.046: 0.064: 0.129: 0.1816
AT - Pro Group ACC BLCA BRCA CESC CHOL	57 80 ogress Free Interv Total(N) 79 412 1086 306 35	0.948 (0.487 1.848) 1.702 (0.714 4.058) (20) HR(95% CI) 1.898 (1.011 3.565) 1.321 (0.983 1.775) 1.289 (0.929 1.789) 1.375 (0.862 2.194) 0.685 (0.282 1.666)	0 2 4 6 8	P valu 0.046; 0.129; 0.181; 0.404;
AT - Progroup ACC BLCA BRCA CESC CHOL COAD	57 80 Degress Free Interv Total(N) 79 412 1086 306 35 477	0.948 (0.487 1.848) 1.702 (0.714 4.058) (val)  HR(95% CI)  1.898 (1.011 3.565) 1.321 (0.983 1.775) 1.289 (0.929 1.789) 1.375 (0.862 2.194) 0.685 (0.282 1.666) 0.699 (0.492 0.993)	0 2 4 6 8	P valu 0.046; 0.1290 0.1810 0.404 0.045
AT - Pro Group ACC BLCA BRCA CESC CHOL	57 80 Dogress Free Interv Total(N) 79 412 1086 306 35 477 48	0.948 (0.487 1.848) 1.702 (0.714 4.058) Val  HR(95% CI) 1.898 (1.011 3.565) 1.321 (0.983 1.775) 1.289 (0.929 1.789) 1.375 (0.862 2.194) 0.685 (0.282 1.666) 0.699 (0.492 0.993) 1.039 (0.311 3.471)	0 2 4 6 8	P valu 0.046; 0.1290 0.1191 0.404 0.0454 0.9506
LAT - Progroup ACC BLCA CESC CHOL COAD DLBC ESCA	57 80 ogress Free Interv Total(N) 79 412 1086 306 35 477 48 163	0.948 (0.487 1.848) 1.702 (0.714 4.058) Yal  HR(95% CI)  1.898 (1.011 3.565) 1.321 (0.983 1.775) 1.289 (0.929 1.789) 1.375 (0.862 2.194) 0.685 (0.282 1.666) 0.699 (0.492 0.993) 1.039 (0.311 3.471) 0.783 (0.503 1.219)	0 2 4 6 8	P valu 0.046: 0.046: 0.048: 0.129: 0.404: 0.045: 0.9500 0.278:
LAT - Progroup ACC BLCA CESC CHOL COAD DLBC ESCA GBM	57 80 ogress Free Interv Total(N) 79 412 1086 306 35 477 48 163 168	0.948 (0.487 1.848) 1.702 (0.714 4.058) Val  HR(95% CI) 1.898 (1.011 3.565) 1.321 (0.983 1.775) 1.289 (0.929 1.789) 1.375 (0.862 2.194) 0.685 (0.282 1.666) 0.699 (0.492 0.993) 1.039 (0.311 3.471)	0 2 4 6 8	P valu 0.046: 0.064: 0.129( 0.045: 0.950( 0.278( 0.264)
LAT - Progroup ACC BLCA BRCA CESC CHOL COAD DLBC ESCA GBM HNSC	57 80 ogress Free Interv Total(N) 79 412 1086 306 35 477 48 163 168 503	0.948 (0.487 1.848) 1.702 (0.714 4.058) ARION CI) 1.898 (1.011 3.565) 1.321 (0.983 1.775) 1.289 (0.929 1.789) 1.375 (0.862 2.194) 0.685 (0.282 1.666) 0.699 (0.492 0.993) 1.039 (0.311 3.471) 0.783 (0.503 1.219) 0.824 (0.587 1.158) 1.182 (0.890 1.570)		P valu 0.046; 0.064; 0.129; 0.181; 0.404; 0.050; 0.278; 0.264; 0.247;
AT - Progroup  ACC BLCA BRCA CESC CHOL COAD DLBC ESCA GBM HNSC KICH	57 80 ogress Free Interv Total(N) 79 412 1086 306 35 477 48 163 168 503 64	0.948 (0.487 1.848) 1.702 (0.714 4.058) (201		P valu 0.046; 0.129; 0.181; 0.404; 0.045; 0.950; 0.278; 0.264; 0.247; 0.131;
LAT - Progroup ACC BRCA BRCA CESC CHOL COAD DLBC ESCA GBM HNSC KICH KIRC	57 80 ogress Free Interv Total(N) 79 412 1086 306 35 477 48 163 168 503 64 539	0.948 (0.487 1.848) 1.702 (0.714 4.058) HR(95% CI) 1.898 (1.011 3.565) 1.321 (0.983 1.775) 1.289 (0.929 1.789) 1.375 (0.862 2.194) 0.685 (0.282 1.666) 0.699 (0.492 0.993) 1.039 (0.311 3.471) 0.783 (0.503 1.219) 0.824 (0.587 1.158) 1.182 (0.890 1.570) 2.779 (0.736 10.487) 0.504 (0.365 0.697)		P valu 0.046: 0.064: 0.404 0.045: 0.950( 0.247: 0.131: 3.42e-(
LAT - Programme ACC BRCA BRCA CESC CHOL COAD DLBC ESCA HNSC KICH KIRC KIRP	57 80 Degress Free Interv Total(N) 79 412 1086 306 35 477 48 163 168 503 64 539 289	0.948 (0.487 1.848) 1.702 (0.714 4.058) HR(95% CI) 1.898 (1.011 3.565) 1.321 (0.983 1.775) 1.289 (0.929 1.789) 1.375 (0.862 2.194) 0.685 (0.282 1.666) 0.699 (0.492 0.993) 1.039 (0.311 3.471) 0.783 (0.503 1.219) 0.824 (0.587 1.158) 1.182 (0.890 1.570) 2.779 (0.736 10.487) 0.504 (0.365 0.697) 0.838 (0.498 1.411)		P valu 0.046: 0.066: 0.129 0.181: 0.404 0.045: 0.9500 0.278: 0.264: 0.247: 0.131: 3.42e-( 0.506:
LAT - Pro Group ACC BRCA BRCA CESC CHOL COAD DLBC ESCA GBM HNSC KICH KIRC KIRP LGG	57 80 Degress Free Intervention of the second of the secon	0.948 (0.487 1.848) 1.702 (0.714 4.058) HR(95% CI) 1.898 (1.011 3.565) 1.321 (0.983 1.775) 1.289 (0.929 1.789) 1.375 (0.862 2.194) 0.685 (0.282 1.666) 0.699 (0.492 0.993) 1.039 (0.311 3.471) 0.783 (0.503 1.219) 0.824 (0.587 1.158) 1.182 (0.890 1.570) 2.779 (0.736 10.487) 0.504 (0.365 0.697) 0.838 (0.498 1.411) 1.360 (1.033 1.790)		P valu 0.046: 0.046: 0.046: 0.046: 0.045: 0.950: 0.264: 0.264: 0.264: 0.266: 0.266: 0.286: 0.286:
LAT - Production of the control of t	57 80 ogress Free Interv Total(N) 79 412 1086 306 35 477 48 163 168 503 64 539 289 530 373	0.948 (0.487 1.848) 1.702 (0.714 4.058)  HR(95% CI) 1.898 (1.011 3.565) 1.321 (0.983 1.775) 1.289 (0.929 1.789) 1.375 (0.862 2.194) 0.685 (0.282 1.666) 0.699 (0.492 0.993) 1.039 (0.311 3.471) 0.783 (0.503 1.219) 0.824 (0.587 1.158) 1.182 (0.890 1.570) 2.779 (0.736 10.487) 0.504 (0.365 0.697) 0.838 (0.498 1.411) 1.360 (1.033 1.790) 1.443 (1.078 1.931)		P valu 0.046; 0.046; 0.046; 0.129; 0.181; 0.404 0.045; 0.950; 0.278; 0.264; 0.247; 0.313; 3.42e-(0.506; 0.028; 0.013;
LAT - Progroup ACC BICAN BRCA CESC CHOL COAD DLBC ESCA GBM HNSC KICH KIRC KIRC KIRC KIRC LIHC LUAD	57 80 ogress Free Interv Total(N) 79 412 1086 306 35 477 48 163 168 503 64 539 289 530 373 530	0.948 (0.487 1.848) 1.702 (0.714 4.058) MR(95% CI) 1.898 (1.011 3.565) 1.321 (0.983 1.775) 1.289 (0.929 1.789) 1.375 (0.862 2.194) 0.685 (0.282 1.666) 0.699 (0.492 0.993) 1.039 (0.311 3.471) 0.783 (0.503 1.219) 0.824 (0.587 1.158) 1.182 (0.890 1.570) 2.779 (0.736 10.487) 0.504 (0.365 0.697) 0.838 (0.498 1.411) 1.360 (1.033 1.790) 1.443 (1.078 1.931) 1.227 (0.943 1.597)		P valu 0.046: 0.064: 0.181: 0.404: 0.950: 0.278: 0.264: 0.131: 3.42e-( 0.028: 0.013: 0.127:
UCS UVM  AT - Pro Group  ACC BLCA BRCA CESC CHOL COAD DLBC ESCA GBM HNSC KICH KIRC KIRC KIRC LUAD LUSC	57 80 ogress Free Interv Total(N) 79 412 1086 306 35 477 48 163 168 503 64 539 289 530 373 530 497	0.948 (0.487 1.848) 1.702 (0.714 4.058) (201		0.8768 0.230° P valu 0.0466 0.1299 0.1818 0.404* 0.9500 0.2788 0.2479 0.1318 3.42e-(-0.5068 0.0138 0.1278 0.7498
UCS UVM  AT - Pro Group  ACC BLCA BRCA CESC CHOL COAD DLBC ESCA GBM HNSC KICH KIRC KIRP LGG LUHC LUHC LUHC LUHC LUSC MESO	57 80 ogress Free Interv Total(N) 79 412 1086 306 35 477 48 163 168 503 64 539 289 530 373 530 497 84	0.948 (0.487 1.848) 1.702 (0.714 4.058) HR(95% CI) 1.898 (1.011 3.565) 1.321 (0.983 1.775) 1.289 (0.929 1.789) 1.375 (0.862 2.194) 0.685 (0.282 1.666) 0.699 (0.492 0.993) 1.039 (0.311 3.471) 0.783 (0.503 1.219) 0.824 (0.587 1.158) 1.182 (0.890 1.570) 2.779 (0.736 10.487) 0.504 (0.365 0.697) 0.838 (0.498 1.411) 1.360 (1.033 1.790) 1.443 (1.078 1.931) 1.227 (0.943 1.597) 1.054 (0.763 1.457) 1.074 (0.643 1.793)		0.8768 0.230° P valu 0.0466 0.1299 0.1818 0.404* 0.9500 0.278 0.264* 0.2479 0.5060 0.028 0.0133 0.127* 0.7498 0.7848
LCS UVM  AT - Pro Group  ACC BRCA BRCA CESC CHOL COAD DLBC ESCA GBM HNSC KICH KIRC KIRP LGG LIHC LUAD LUSC MESO OV	57 80 ogress Free Interv Total(N) 79 412 1086 306 35 477 48 163 168 503 64 539 289 530 373 530 497 84 379	0.948 (0.487 1.848) 1.702 (0.714 4.058)  HR(95% CI) 1.898 (1.011 3.565) 1.321 (0.983 1.775) 1.289 (0.929 1.789) 1.375 (0.862 2.194) 0.685 (0.282 1.666) 0.699 (0.492 0.993) 1.039 (0.311 3.471) 0.783 (0.503 1.219) 0.824 (0.587 1.158) 1.182 (0.890 1.570) 2.779 (0.736 10.487) 0.504 (0.365 0.697) 0.838 (0.498 1.411) 1.360 (1.033 1.790) 1.443 (1.078 1.931) 1.227 (0.943 1.597) 1.054 (0.763 1.457) 1.074 (0.643 1.793) 1.146 (0.904 1.453)		0.8765 0.230° P valu 0.0466 0.0644 0.129 0.1818 0.404° 0.9506 0.2786 0.2644 0.1318 3.42e-0 0.5066 0.028 0.0136 0.1276 0.7496 0.7845 0.7845
LAT - Programme ACC CHOL COAD DLBC CHOL KIRC KIRP LGG LIHC LUAD LUSC MESO OV PAAD	57 80 ogress Free Interv Total(N) 79 412 1086 306 35 477 48 163 168 503 64 539 289 530 373 530 497 84 379 179	0.948 (0.487 1.848) 1.702 (0.714 4.058)  HR(95% CI) 1.898 (1.011 3.565) 1.321 (0.983 1.775) 1.289 (0.929 1.789) 1.375 (0.862 2.194) 0.685 (0.282 1.666) 0.699 (0.492 0.993) 1.039 (0.311 3.471) 0.783 (0.503 1.219) 0.824 (0.587 1.158) 1.182 (0.890 1.570) 2.779 (0.736 10.487) 0.504 (0.365 0.697) 0.838 (0.498 1.411) 1.360 (1.033 1.790) 1.443 (1.078 1.931) 1.227 (0.943 1.597) 1.054 (0.763 1.457) 1.074 (0.643 1.793) 1.146 (0.904 1.453) 1.836 (1.236 2.726)		P valu 0.046: 0.064: 0.129 0.181: 0.404 0.045: 0.950( 0.264: 0.131: 3.42e-( 0.506: 0.028: 0.013: 0.127: 0.749: 0.784: 0.0784: 0.0026:
LAT - Pro Group ACC CHOL COAD DLBC ESCA GBM KIRC KIRP LGG LIHC LUAD LUSC MESO OV PAAD PCPG	57 80 Degress Free Interval Total(N) 79 412 1086 306 35 477 48 163 168 503 64 539 289 530 373 530 497 84 379 179 184	0.948 (0.487 1.848) 1.702 (0.714 4.058)  HR(95% CI) 1.898 (1.011 3.565) 1.321 (0.983 1.775) 1.289 (0.929 1.789) 1.375 (0.862 2.194) 0.685 (0.282 1.666) 0.699 (0.492 0.993) 1.039 (0.311 3.471) 0.783 (0.503 1.219) 0.824 (0.587 1.158) 1.182 (0.890 1.570) 2.779 (0.736 10.487) 0.504 (0.365 0.697) 0.838 (0.498 1.411) 1.360 (1.033 1.790) 1.443 (1.078 1.931) 1.227 (0.943 1.597) 1.054 (0.763 1.457) 1.074 (0.643 1.793) 1.146 (0.904 1.453) 1.836 (1.236 2.726) 1.883 (0.782 4.536)		P valu 0.046: 0.046: 0.064: 0.129 0.181: 0.404 0.045: 0.9500 0.278: 0.264: 0.247: 0.131: 3.42e-( 0.506: 0.028: 0.013: 0.127: 0.749: 0.784: 0.261: 0.002( 0.158)
LAT - Pro Group ACC BBLCA BBRCA CESC CHOL COAD DLBC ESCA GBM KIRC KIRP LGG LIHC LUAD LUAD LUSC UNSC VPAAD PCPG PRAD	57 80 Degress Free Interval Total(N) 79 412 1086 306 35 477 48 163 168 503 64 539 289 530 373 530 497 84 379 179 184 501	0.948 (0.487 1.848) 1.702 (0.714 4.058)  HR(95% CI) 1.898 (1.011 3.565) 1.321 (0.983 1.775) 1.289 (0.929 1.789) 1.375 (0.862 2.194) 0.685 (0.282 1.666) 0.699 (0.492 0.993) 1.039 (0.311 3.471) 0.783 (0.503 1.219) 0.824 (0.587 1.158) 1.182 (0.890 1.570) 2.779 (0.736 10.487) 0.504 (0.365 0.697) 0.838 (0.498 1.411) 1.360 (1.033 1.790) 1.443 (1.078 1.931) 1.227 (0.943 1.597) 1.054 (0.763 1.457) 1.074 (0.643 1.793) 1.146 (0.904 1.453) 1.836 (1.236 2.726) 1.883 (0.782 4.536) 1.089 (0.726 1.635)		P valu 0.046: 0.046: 0.046: 0.129: 0.181: 0.404 0.045: 0.950: 0.264: 0.264: 0.264: 0.278: 0.131: 3.42e-(-0.506: 0.028: 0.013: 0.127: 0.749: 0.784: 0.261: 0.002: 0.158: 0.679
LCS UVM  AT - Pro Group  ACC BLCA BRCA CESC CHOL COAD DLBC ESCA GBM HNSC KICH KIRC LUGG LIHC LUAD LUSC MESO OV PAAD PCPG PRAD READ	57 80 Dogress Free Intervention of the second of the seco	0.948 (0.487 1.848) 1.702 (0.714 4.058)  HR(95% CI) 1.898 (1.011 3.565) 1.321 (0.983 1.775) 1.289 (0.929 1.789) 1.375 (0.862 2.194) 0.685 (0.282 1.666) 0.699 (0.492 0.993) 1.039 (0.311 3.471) 0.783 (0.503 1.219) 0.824 (0.587 1.158) 1.182 (0.890 1.570) 2.779 (0.736 10.487) 0.504 (0.365 0.697) 0.838 (0.498 1.411) 1.360 (1.033 1.790) 1.443 (1.078 1.931) 1.227 (0.943 1.597) 1.054 (0.763 1.457) 1.074 (0.643 1.793) 1.146 (0.904 1.453) 1.836 (1.236 2.726) 1.883 (0.782 4.536) 1.089 (0.726 1.635) 0.522 (0.266 1.024)		0.8768 0.230° P valu 0.0466 0.0648 0.1290 0.1818 0.404° 0.9506 0.2788 0.2648 0.247° 0.1318 3.42e-(-0.5068 0.0268 0.0138 0.1278 0.7498 0.26110 0.0268 0.26110 0.0268 0.26110 0.0268
UCS UVM  AT - Pro Group  ACC BLCA BRCA CESC CHOL COAD DLBC ESCA GBM HNSC KICH KIRC KIRC LUAD LUSC MESO OV PAAD PCPG PRAD READ SARC	57 80 ogress Free Interv Total(N) 79 412 1086 306 35 477 48 163 168 503 64 539 289 530 373 530 497 84 379 179 184 501 166 263	0.948 (0.487 1.848) 1.702 (0.714 4.058)  HR(95% CI) 1.898 (1.011 3.565) 1.321 (0.983 1.775) 1.289 (0.929 1.789) 1.375 (0.862 2.194) 0.685 (0.282 1.666) 0.699 (0.492 0.993) 1.039 (0.311 3.471) 0.783 (0.503 1.219) 0.824 (0.587 1.158) 1.182 (0.890 1.570) 2.779 (0.736 10.487) 0.504 (0.365 0.697) 0.838 (0.498 1.411) 1.360 (1.033 1.790) 1.443 (1.078 1.931) 1.227 (0.943 1.597) 1.054 (0.763 1.457) 1.074 (0.643 1.793) 1.146 (0.904 1.453) 1.836 (1.236 2.726) 1.883 (0.782 4.536) 1.089 (0.726 1.635) 0.522 (0.266 1.024) 1.089 (0.783 1.515)		0.8768 0.230° P valu 0.0466 0.1290 0.1818 0.404* 0.950 0.278 0.264* 0.2479 0.1318 3.42e-(-0.5068 0.0138 0.1278 0.7498 0.2611 0.026 0.158 0.679* 0.0586 0.6112
UCS UVM  AT - Pro Group  ACC BLCA BRCA CESC CHOL COAD DLBC ESCA GBM HNSC KICH KIRC KIRP LGG LUHC LUHC LUHC LUHC LUHC LUHC LUHC LUHC	57 80 ogress Free Interv Total(N)  79  412 1086 306 35 477 48 163 168 503 64 539 289 530 373 530 497 84 379 179 184 501 166 263 458	0.948 (0.487 1.848) 1.702 (0.714 4.058)  HR(95% CI) 1.898 (1.011 3.565) 1.321 (0.983 1.775) 1.289 (0.929 1.789) 1.375 (0.862 2.194) 0.685 (0.282 1.666) 0.699 (0.492 0.993) 1.039 (0.311 3.471) 0.783 (0.503 1.219) 0.824 (0.587 1.158) 1.182 (0.890 1.570) 2.779 (0.736 10.487) 0.504 (0.365 0.697) 0.838 (0.498 1.411) 1.360 (1.033 1.790) 1.443 (1.078 1.931) 1.227 (0.943 1.597) 1.054 (0.763 1.457) 1.074 (0.643 1.793) 1.146 (0.904 1.453) 1.836 (1.236 2.726) 1.883 (0.782 4.536) 1.089 (0.726 1.635) 0.522 (0.266 1.024) 1.089 (0.783 1.515) 1.181 (0.942 1.480)		0.8768 0.230° P valu 0.0466 0.1290 0.1818 0.404* 0.950 0.278 0.264* 0.2479 0.1318 3.42e-(0.5068 0.0138 0.1278 0.7844 0.2611 0.026 0.158 0.679* 0.0586 0.6112
UCS UVM  AT - Pro Group  ACC BLCA BRCA CESC CHOL COAD DLBC ESCA GBM HNSC KICH KIRC KIRC LUAD LUSC MESO OV PAAD PCPG PRAD READ SARC	57 80 ogress Free Interv Total(N) 79 412 1086 306 35 477 48 163 168 503 64 539 289 530 373 530 497 84 379 179 184 501 166 263 458 372	0.948 (0.487 1.848) 1.702 (0.714 4.058)  HR(95% CI) 1.898 (1.011 3.565) 1.321 (0.983 1.775) 1.289 (0.929 1.789) 1.375 (0.862 2.194) 0.685 (0.282 1.666) 0.699 (0.492 0.993) 1.039 (0.311 3.471) 0.783 (0.503 1.219) 0.824 (0.587 1.158) 1.182 (0.890 1.570) 2.779 (0.736 10.487) 0.504 (0.365 0.697) 0.838 (0.498 1.411) 1.360 (1.033 1.790) 1.443 (1.078 1.931) 1.227 (0.943 1.597) 1.054 (0.763 1.457) 1.074 (0.643 1.793) 1.146 (0.904 1.453) 1.836 (1.236 2.726) 1.883 (0.782 4.536) 1.089 (0.726 1.635) 0.522 (0.266 1.024) 1.089 (0.783 1.515) 1.181 (0.942 1.480) 0.862 (0.605 1.226)		0.8768 0.230° 0.0462 0.0648 0.1299 0.1818 0.404* 0.9586 0.2478 0.1318 3.42e-(0.5068 0.0284 0.0138 0.1277 0.7498 0.2611 0.0026 0.1588 0.679* 0.0588 0.6112 0.1503
UCS UVM  AT - Pro Group  ACC BLCA BRCA CESC CHOL COAD DLBC ESCA GBM HNSC KICH KIRC KIRP LGG LUHC LUHC LUHC LUHC LUHC LUHC LUHC LUHC	57 80 ogress Free Interv Total(N)  79  412 1086 306 35 477 48 163 168 503 64 539 289 530 373 530 497 84 379 179 184 501 166 263 458	0.948 (0.487 1.848) 1.702 (0.714 4.058)  HR(95% CI) 1.898 (1.011 3.565) 1.321 (0.983 1.775) 1.289 (0.929 1.789) 1.375 (0.862 2.194) 0.685 (0.282 1.666) 0.699 (0.492 0.993) 1.039 (0.311 3.471) 0.783 (0.503 1.219) 0.824 (0.587 1.158) 1.182 (0.890 1.570) 2.779 (0.736 10.487) 0.504 (0.365 0.697) 0.838 (0.498 1.411) 1.360 (1.033 1.790) 1.443 (1.078 1.931) 1.227 (0.943 1.597) 1.054 (0.763 1.457) 1.074 (0.643 1.793) 1.146 (0.904 1.453) 1.836 (1.236 2.726) 1.883 (0.782 4.536) 1.089 (0.726 1.635) 0.522 (0.266 1.024) 1.089 (0.783 1.515) 1.181 (0.942 1.480)		0.8768 0.230°  P valu 0.0466 0.129 0.1818 0.404° 0.045- 0.9506 0.2786 0.2646 0.247° 0.1318 3.42e-0 0.5066 0.0286 0.0136 0.1276 0.7499 0.7848 0.2610 0.0026 0.158° 0.679 0.0586 0.6111 0.1500 0.408°
UCS UVM  AT - Pro Group  ACC BECA BECA BECA CESC CHOL COAD DLBC ESCA GBM HNSC KICH KIRC KIRP LGG LIHC LUAD LUSC MESO OV PAAD PCPG PRAD READ SARC SKCM STAD	57 80 ogress Free Interv Total(N) 79 412 1086 306 35 477 48 163 168 503 64 539 289 530 373 530 497 84 379 179 184 501 166 263 458 372	0.948 (0.487 1.848) 1.702 (0.714 4.058)  HR(95% CI) 1.898 (1.011 3.565) 1.321 (0.983 1.775) 1.289 (0.929 1.789) 1.375 (0.862 2.194) 0.685 (0.282 1.666) 0.699 (0.492 0.993) 1.039 (0.311 3.471) 0.783 (0.503 1.219) 0.824 (0.587 1.158) 1.182 (0.890 1.570) 2.779 (0.736 10.487) 0.504 (0.365 0.697) 0.838 (0.498 1.411) 1.360 (1.033 1.790) 1.443 (1.078 1.931) 1.227 (0.943 1.597) 1.054 (0.763 1.457) 1.074 (0.643 1.793) 1.146 (0.904 1.453) 1.836 (1.236 2.726) 1.883 (0.782 4.536) 1.089 (0.726 1.635) 0.522 (0.266 1.024) 1.089 (0.783 1.515) 1.181 (0.942 1.480) 0.862 (0.605 1.226)		0.8768 0.2301  P valu 0.0462 0.0644 0.129 0.1818 0.404 0.0452 0.2648 0.2476 0.3143 3.42e-0 0.5066 0.028 0.0138 0.1277 0.7498 0.7616 0.0026 0.158 0.679 0.05616 0.408 0.3444
UCS UVM  AT - Pro Group ACC BRCA BRCA CESC CHOL COAD DLBC COAD DLBC KICH KIRC KIRP LGG LIHC LUAD LUSC MESO OV PAAD PCPG PRAD PCPG PRAD SARC SKCM STAD TGCT	57 80 ogress Free Interv Total(N) 79 412 1086 306 35 477 48 163 168 503 64 539 289 530 373 530 497 84 379 179 184 501 166 263 458 372 139	0.948 (0.487 1.848) 1.702 (0.714 4.058)  HR(95% CI) 1.898 (1.011 3.565) 1.321 (0.983 1.775) 1.289 (0.929 1.789) 1.375 (0.862 2.194) 0.685 (0.282 1.666) 0.699 (0.492 0.993) 1.039 (0.311 3.471) 0.783 (0.503 1.219) 0.824 (0.587 1.158) 1.182 (0.890 1.570) 2.779 (0.736 10.487) 0.504 (0.365 0.697) 0.838 (0.498 1.411) 1.360 (1.033 1.790) 1.443 (1.078 1.931) 1.227 (0.943 1.597) 1.054 (0.763 1.457) 1.074 (0.643 1.793) 1.146 (0.904 1.453) 1.836 (1.236 2.726) 1.883 (0.782 4.536) 1.089 (0.726 1.635) 0.522 (0.266 1.024) 1.089 (0.783 1.515) 1.181 (0.942 1.480) 0.862 (0.605 1.226) 1.360 (0.719 2.569)		0.8769 0.230
UCS UVM  AT - Pro Group ACC CHOL COAD DLBC CHOL COAD DLBC ESCA KICH KIRC KIRP LGG LIHC LUAD LUSC MESO OV PAAD PCPG PRAD READ READ SARC SKCM STAD TGCT THCA	57 80 ogress Free Interv Total(N) 79 412 1086 306 35 477 48 163 168 503 64 539 289 530 373 530 497 84 379 179 184 501 166 263 458 372 139 512	0.948 (0.487 1.848) 1.702 (0.714 4.058)  HR(95% CI) 1.898 (1.011 3.565) 1.321 (0.983 1.775) 1.289 (0.929 1.789) 1.375 (0.862 2.194) 0.685 (0.282 1.666) 0.699 (0.492 0.993) 1.039 (0.311 3.471) 0.783 (0.503 1.219) 0.824 (0.587 1.158) 1.182 (0.890 1.570) 2.779 (0.736 10.487) 0.504 (0.365 0.697) 0.838 (0.498 1.411) 1.360 (1.033 1.790) 1.443 (1.078 1.597) 1.054 (0.763 1.457) 1.074 (0.643 1.793) 1.146 (0.904 1.453) 1.836 (1.236 2.726) 1.883 (0.782 4.536) 1.089 (0.726 1.635) 0.522 (0.266 1.024) 1.089 (0.783 1.515) 1.181 (0.942 1.480) 0.862 (0.605 1.226) 1.360 (0.719 2.569) 0.769 (0.449 1.315)		0.8768 0.2301  P value 0.0462 0.0644 0.1299 0.1818 0.404 0.0454 0.9506 0.2786 0.2644 0.2477 0.1311 3.42e-( 0.5068 0.028 0.0138 0.1278 0.7498 0.679 0.0586 0.679 0.0586 0.6112 0.1502 0.408 0.3444 0.3374

Figure S1 Prognostic Value of DLAT in Pan-Cancer.

- (A) The Effect of DLAT on Overall Survival (OS) in Pan-Cancer was analyzed using Cox regression analysis.
- **(B)** The Effect of DLAT on progress free interval (PFI) in Pan-Cancer was analyzed using Cox regression analysis.