



Figure S5. LETd optimization 'distal-patching': Cumulative relative-volume LVH profiles (mean \pm SD) for OARs (a) Rectosigmoid filtered for <10% $D_{prescribed}$, (b) Small intestine/bowelloops filtered for <10% $D_{prescribed}$, (c) sacral nerveroots, (d) cauda equina, (e) urinary bladder, (f) skin (g) 1 cm shell around LD-PTV showing acceptable LETd distribution beyond LD-PTV in distally-patched plans in large tumors compared to unpatched plans in large and small tumors. (Note less sample size in 2 organs due to filtering out low doses. Rectosigmoid filtered for <10% $D_{prescribed}$: small: 9, Large distally-patched: 11, Large unpatched:9, Small intestine/bowelloops filtered for <10% $D_{prescribed}$, small: 5, Large distally-patched: 6, Large unpatched:6).