**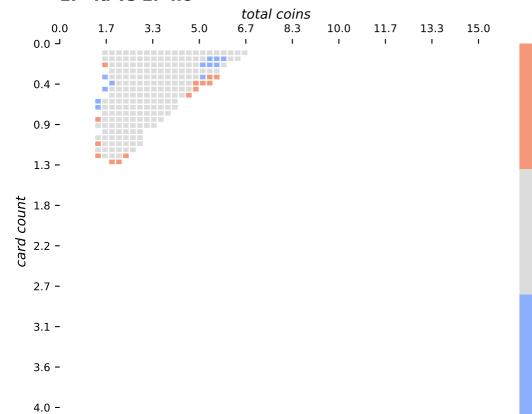EF -id vs EF-hc**