Class C	X264vsQY265_offline_veryfast									
Thread No. Class B DRATE-V BDRATE-V BDRATE-YU Speed-Up Class C -34.2% -37.5% -43.8% -40.0% -35.9% -11.9% Class C -34.2% -37.5% -34.8% -40.0% -35.9% -11.9% Class B -44.3% -46.9% -50.7% -42.0% -21.3% Class B -56.6% -56.6% -56.6% -56.3% -56.5% -50.5% -30.0% Class B -56.6% -50.7% -47.6% -49.0% -6.9% Class B -56.6% -56.6% -56.3% -56.5% -56.5% -30.0% Class C -42.0% -42.1% -39.7% -42.2% -23.5% Class D -39.0% -50.3% -50.1% -41.1% -41.5% Class D -39.0% -50.1% -50.9% -47.9% -11.7% ***X264vsQY265_offline_slow** Thread No. Class BDRATE-Y BDRATE-V BDRATE-YUV Speed-Up Class B -44.3% -48.3% -47.6% -45.0% -35.9% -11.9% Class B -44.3% -48.3% -47.6% -45.0% -35.9% -11.9% Class C -34.2% -37.5% -34.8% -34.8% -27.5% Class D -27.8% -38.5% -39.0% -29.9% -24.1% Class B -44.4% -47.6% -46.4% -45.0% -11.0% Class B -44.4% -47.6% -46.4% -45.0% -33.8% -33.8% Class B -44.4% -47.6% -46.4% -45.0% -11.0% Class B -44.4% -47.6% -46.4% -45.0% -11.0% Class D -26.9% -37.4% -38.3% -29.0% -50.2% Class B -44.4% -47.6% -46.4% -45.0% -11.0% Class B -44.3% -43.3% -43.1% -33.3% -38.7% -31.1% Class B -44.4% -47.6% -46.4% -45.0% -45.0% -11.0% Class B -44.4% -47.6% -46.4% -45.0% -45.0% -11.0% Class D -26.9% -37.4% -38.3% -29.0% -29.9% -32.7% -11.0% Class D -26.9% -37.4% -38.3% -39.0% -38.8% -30.6% -38.5% -30.0% -38.8% -30.6% -30.0% -38.8% -30.0% -30.0% -38.8% -30.0	Thread No.	Class	BDRATE-Y	BDRATE-U	BDRATE-V	BDRATE-YUV	Speed-Up			
Class C	1	Class A	-42.4%	-39.7%	-43.7%	-42.5%	1.3%			
Class D -39.8% -51.4% -50.7% -42.0% -31.5%		Class B	-55.7%	-54.6%	-55.3%	-55.8%	15.1%			
Class D -39.8% -51.4% -50.7% -42.0% -31.5%		Class C	-42.5%	-43.8%	-41.4%	-42.9%	-21.3%			
Average	1	Class D	-39.8%	-51.4%	-50.7%	-42.0%	-31.5%			
Class A		ClassE	-50.3%	-59.8%	-60.9%	-52.7%	36.7%			
Class B		Average	-46.9%	-50.7%	-50.8%	-47.9%	-1.3%			
Class C -42.0% -42.1% -39.7% -42.2% -23.5%		Class A	-49.2%	-45.0%	-47.6%	-49.0%	-6.9%			
Class D -39.0% -50.3% -50.1% -41.1% -41.5% Class E -48.4% -58.0% -59.8% -50.9% 15.8% Average -47.0% -50.1% -50.3% -47.9% -11.7% X264vsQY265_offline_slow Thread No. Class BDRATE-Y BDRATE-U BDRATE-V BDRATE-YUV Speed-Up Class A -35.1% -37.2% -40.0% -35.9% -11.9% Class B -44.3% -48.3% -47.6% -45.0% 1.4% Class D -27.8% -38.5% -39.0% -29.9% -24.1% Class E -43.0% -56.6% -58.1% -47.0% 9.9% Average -37.1% -43.9% -43.7% -38.7% -10.7% Class B -44.4% -47.6% -46.4% -45.0% 11.0% Class B -44.4% -47.6% -46.4% -45.0% 11.0% Class B -44.4% -47.6% -46.4% -45.0% 11.0% Class C -33.8% -36.7% -34.1% -34.3% -33.8% Class D -26.9% -37.4% -38.3% -29.0% -50.2% Class E -40.1% -53.2% -55.2% -43.9% 21.0% Average -37.3% -43.1% -43.1% -38.7% -11.4% X264VsQY265_offline_placebo Thread No. Class BDRATE-Y BDRATE-U BDRATE-V BDRATE-YUV Speed-Up Thread No. Class BDRATE-Y BDRATE-U BDRATE-V BDRATE-YUV Speed-Up Thread No. Class BDRATE-Y BDRATE-U BDRATE-V BDRATE-YUV Speed-Up Class B -41.3% -47.8% -47.2% -42.6% 84.6% Class C -31.0% -39.5% -37.9% -32.7% 17.9% Class D -26.0% -43.6% -43.7% -29.5% -17.8% Class D -26.0% -4		Class B	-55.6%	-53.6%	-54.3%	-55.5%	3.0%			
Class D -39.0% -50.3% -50.1% -41.1% -41.5% Class E -48.4% -58.0% -59.8% -50.9% 15.8% Average -47.0% -50.1% -50.3% -47.9% -11.7%	auto.	Class C	-42.0%	-42.1%	-39.7%	-42.2%	-23.5%			
Average	auto	Class D	-39.0%	-50.3%	-50.1%	-41.1%	-41.5%			
X264\times SQY265 off Speed Sp		ClassE	-48.4%	-58.0%	-59.8%	-50.9%	15.8%			
Thread No. Class BDRATE-Y BDRATE-U BDRATE-V BDRATE-YUV Speed-Up Class A		Average	-47.0%	-50.1%	-50.3%	-47.9%	-11.7%			
Class A -35.1% -37.2% -40.0% -35.9% -11.9% Class B -44.3% -48.3% -47.6% -45.0% 1.4% Class C -34.2% -37.5% -34.8% -34.8% -27.5% Class D -27.8% -38.5% -39.0% -29.9% -24.1% Average -37.1% -43.9% -43.7% -38.7% -10.7% Class B -44.4% -47.6% -46.4% -45.0% 11.0% Class B -44.4% -47.6% -46.4% -45.0% 11.0% Class D -26.9% -37.4% -38.3% -29.0% -50.2% Class D -26.9% -37.4% -38.3% -29.0% -50.2% Class E -40.1% -53.2% -55.2% -43.9% -11.4% X264vsQY265_offline_placebo Thread No. Class BDRATE-Y BDRATE-U BDRATE-V BDRATE-YUV Speed-Up Class B -41.3% -38.8% -33.3% -39.0% -38.8% 40.6% Class D -26.0% -37.8% -47.8% -47.2% -42.6% 84.6% Class D -26.0% -43.6% -43.6% -47.2% -42.6% 84.6% Class D -26.0% -43.6% -43.6% -43.7% -29.5% -17.8% Class D -26.0% -43.6% -47.9% -50.6% -38.5% -71.3% Class D -26.0% -47.9% -50.6% -38.5% -71.3% Class D -26.	X264vsQY265_offline_slow									
Class B	Thread No.	Class	BDRATE-Y	BDRATE-U	BDRATE-V	BDRATE-YUV	Speed-Up			
Class C		Class A	-35.1%	-37.2%	-40.0%	-35.9%	-11.9%			
Class D -27.8% -38.5% -39.0% -29.9% -24.1% Class E -43.0% -56.6% -58.1% -47.0% 9.9% Average -37.1% -43.9% -43.7% -38.7% -10.7% Average -37.1% -43.9% -43.6% 6.1% Class A -43.3% -40.6% -43.9% -43.6% 6.1% Class B -44.4% -47.6% -46.4% -45.0% 11.0% Class D -26.9% -37.4% -38.3% -29.0% -50.2% Class E -40.1% -53.2% -55.2% -43.9% 21.0% Average -37.3% -43.1% -43.1% -38.7% -11.4% X264vsQy265_offline_placebo Thread No. Class BDRATE-Y BDRATE-U BDRATE-V BDRATE-YUV Speed-Up Class A -38.8% -33.3% -39.0% -38.8% 40.6% Class B -41.3% -47.8% -47.2% -42.6% 84.6% Class C -31.0% -39.5% -37.9% -32.7% 17.9% Class D -26.0% -43.6% -43.7% -29.5% -17.8% Class E -34.5% -47.9% -50.6% -38.5% 71.3% Class D -26.0% -26.0% -26.0%	1	Class B	-44.3%	-48.3%	-47.6%	-45.0%	1.4%			
Class D		Class C	-34.2%	-37.5%	-34.8%	-34.8%	-27.5%			
Average -37.1% -43.9% -43.7% -38.7% -10.7% Class A -43.3% -40.6% -43.9% -43.6% 6.1% Class B -44.4% -47.6% -46.4% -45.0% 11.0% Class C -33.8% -36.7% -34.1% -34.3% -33.8% Class D -26.9% -37.4% -38.3% -29.0% -50.2% Class E -40.1% -53.2% -55.2% -43.9% 21.0% Average -37.3% -43.1% -43.1% -38.7% -11.4% X264vsQY265_offline_placebo Thread No. Class BDRATE-Y BDRATE-U BDRATE-V BDRATE-YUV Speed-Up Class A -38.8% -33.3% -39.0% -38.8% 40.6% Class B -41.3% -47.8% -47.2% -42.6% 84.6% Class D -26.0% -39.5% -37.9% -32.7% 17.9% Class D -26.0% -43.6% -43.7% -29.5% -17.8% Class E -34.5% -47.9% -50.6% -38.5% 71.3%		Class D	-27.8%	-38.5%	-39.0%	-29.9%	-24.1%			
Class A -43.3% -40.6% -43.9% -43.6% 6.1% Class B -44.4% -47.6% -46.4% -45.0% 11.0% Class C -33.8% -36.7% -34.1% -34.3% -33.8% Class D -26.9% -37.4% -38.3% -29.0% -50.2% Class E -40.1% -53.2% -55.2% -43.9% 21.0% Average -37.3% -43.1% -43.1% -38.7% -11.4% X264vsQY265_offline_placebo Thread No. Class BDRATE-Y BDRATE-U BDRATE-V BDRATE-YUV Speed-Up Class A -38.8% -33.3% -39.0% -38.8% 40.6% Class B -41.3% -47.8% -47.2% -42.6% 84.6% Class C -31.0% -39.5% -37.9% -32.7% 17.9% Class D -26.0% -43.6% -43.7% -29.5% -17.8% Class E -34.5% -47.9% -50.6% -38.5% 71.3%		ClassE	-43.0%	-56.6%	-58.1%	-47.0%	9.9%			
Class B		Average	-37.1%	-43.9%	-43.7%	-38.7%	-10.7%			
Class C -33.8% -36.7% -34.1% -34.3% -33.8% Class D -26.9% -37.4% -38.3% -29.0% -50.2% Class E -40.1% -53.2% -55.2% -43.9% 21.0% Average -37.3% -43.1% -43.1% -38.7% -11.4% X264vsQY265_offline_placebo Thread No. Class BDRATE-Y BDRATE-U BDRATE-V BDRATE-YUV Speed-Up Class A -38.8% -33.3% -39.0% -38.8% 40.6% Class B -41.3% -47.8% -47.2% -42.6% 84.6% Class C -31.0% -39.5% -37.9% -32.7% 17.9% Class D -26.0% -43.6% -43.7% -29.5% -17.8% Class E -34.5% -47.9% -50.6% -38.5% 71.3%	auto	Class A	-43.3%	-40.6%	-43.9%	-43.6%	6.1%			
Class D		Class B	-44.4%	-47.6%	-46.4%	-45.0%	11.0%			
Class D		Class C	-33.8%	-36.7%	-34.1%	-34.3%	-33.8%			
Average -37.3% -43.1% -43.1% -38.7% -11.4% X264vsQY265_offline_placebo Thread No. Class BDRATE-Y BDRATE-U BDRATE-V BDRATE-YUV Speed-Up Class A -38.8% -33.3% -39.0% -38.8% 40.6% Class B -41.3% -47.8% -47.2% -42.6% 84.6% Class C -31.0% -39.5% -37.9% -32.7% 17.9% Class D -26.0% -43.6% -43.7% -29.5% -17.8% Class E -34.5% -47.9% -50.6% -38.5% 71.3%		Class D	-26.9%	-37.4%	-38.3%	-29.0%	-50.2%			
X264vsQY265_offline_placebo Thread No. Class BDRATE-Y BDRATE-U BDRATE-V BDRATE-YUV Speed-Up Class A -38.8% -33.3% -39.0% -38.8% 40.6% Class B -41.3% -47.8% -47.2% -42.6% 84.6% Class C -31.0% -39.5% -37.9% -32.7% 17.9% Class D -26.0% -43.6% -43.7% -29.5% -17.8% Class E -34.5% -47.9% -50.6% -38.5% 71.3%		ClassE	-40.1%	-53.2%	-55.2%	-43.9%	21.0%			
Thread No. Class BDRATE-Y BDRATE-U BDRATE-V BDRATE-YUV Speed-Up Class A -38.8% -33.3% -39.0% -38.8% 40.6% Class B -41.3% -47.8% -47.2% -42.6% 84.6% Class C -31.0% -39.5% -37.9% -32.7% 17.9% Class D -26.0% -43.6% -43.7% -29.5% -17.8% Class E -34.5% -47.9% -50.6% -38.5% 71.3%		Average	-37.3%	-43.1%	-43.1%	-38.7%	-11.4%			
Class A -38.8% -33.3% -39.0% -38.8% 40.6% Class B -41.3% -47.8% -47.2% -42.6% 84.6% Class C -31.0% -39.5% -37.9% -32.7% 17.9% Class D -26.0% -43.6% -43.7% -29.5% -17.8% Class E -34.5% -47.9% -50.6% -38.5% 71.3%	X264vsQY265_offline_placebo									
Class B -41.3% -47.8% -47.2% -42.6% 84.6% Class C -31.0% -39.5% -37.9% -32.7% 17.9% Class D -26.0% -43.6% -43.7% -29.5% -17.8% Class E -34.5% -47.9% -50.6% -38.5% 71.3%	Thread No.	Class	BDRATE-Y	BDRATE-U	BDRATE-V	BDRATE-YUV	Speed-Up			
auto Class C -31.0% -39.5% -37.9% -32.7% 17.9% Class D -26.0% -43.6% -43.7% -29.5% -17.8% Class E -34.5% -47.9% -50.6% -38.5% 71.3%		Class A	-38.8%	-33.3%	-39.0%	-38.8%	40.6%			
auto Class D -26.0% -43.6% -43.7% -29.5% -17.8% ClassE -34.5% -47.9% -50.6% -38.5% 71.3%	auto	Class B	-41.3%	-47.8%	-47.2%	-42.6%	84.6%			
Class D -26.0% -43.6% -43.7% -29.5% -17.8% Class E -34.5% -47.9% -50.6% -38.5% 71.3%		Class C	-31.0%	-39.5%	-37.9%	-32.7%	17.9%			
		Class D	-26.0%	-43.6%	-43.7%	-29.5%	-17.8%			
Average -34.2% -43.4% -44.0% -36.4% 39.9%		ClassE	-34.5%	-47.9%	-50.6%	-38.5%	71.3%			
		Average	-34.2%	-43.4%	-44.0%	-36.4%	39.9%			

X265vsQY265_offline_ultrafast									
Thread No.	Class	BDRATE-Y	BDRATE-U	BDRATE-V	BDRATE-YUV	Speed-Up			
1	Class A	-16.9%	-47.3%	-48.8%	-22.5%	65.4%			
	Class B	-28.1%	-46.8%	-45.5%	-31.2%	84.9%			
	Class C	-31.9%	-40.9%	-37.6%	-33.3%	63.3%			
	Class D	-37.5%	-48.1%	-46.1%	-39.3%	49.8%			
	ClassE	-40.8%	-47.9%	-45.8%	-42.2%	95.1%			
	Average	-31.9%	-46.0%	-44.3%	-34.3%	71.8%			
	Class A	-19.5%	-47.8%	-48.7%	-24.6%	57.7%			
	Class B	-29.7%	-46.9%	-45.6%	-32.5%	80.2%			
auto	Class C	-33.1%	-41.5%	-37.8%	-34.3%	49.5%			
auto	Class D	-38.9%	-48.9%	-46.8%	-40.6%	2.6%			
	ClassE	-42.7%	-49.4%	-47.0%	-43.9%	79.8%			
	Average	-33.5%	-46.7%	-44.7%	-35.7%	53.6%			
		X265	vsQY265_offl	ine_slow					
Thread No.	Class	BDRATE-Y	BDRATE-U	BDRATE-V	BDRATE-YUV	Speed-Up			
1	Class A	-8.7%	-49.6%	-47.1%	-16.8%	151.9%			
	Class B	-11.8%	-39.4%	-36.4%	-17.0%	192.8%			
	Class C	-11.6%	-30.6%	-27.1%	-15.2%	115.1%			
	Class D	-8.9%	-27.1%	-25.0%	-12.4%	114.4%			
	ClassE	-23.6%	-37.6%	-33.1%	-26.8%	201.2%			
	Average	-12.7%	-35.5%	-32.4%	-17.2%	155.0%			
auto	Class A	-9.0%	-49.6%	-46.5%	-16.9%	157.4%			
	Class B	-10.6%	-37.2%	-34.4%	-15.5%	206.8%			
	Class C	-10.3%	-29.6%	-25.0%	-13.8%	114.4%			
	Class D	-8.8%	-26.6%	-24.4%	-12.2%	159.4%			
	ClassE	-17.6%	-31.2%	-27.5%	-20.7%	193.2%			
	Average	-11.1%	-33.6%	-30.3%	-15.4%	168.0%			
X265vsQY265_offline_placebo									
Thread No.	Class	BDRATE-Y	BDRATE-U	BDRATE-V	BDRATE-YUV	Speed-Up			
auto	Class A	-2.0%	-43.0%	-43.6%	-10.2%	162.5%			
	Class B	-6.3%	-32.7%	-30.3%	-11.2%	170.7%			
	Class C	-6.4%	-27.6%	-25.4%	-10.6%	216.1%			
	Class D	-4.3%	-29.3%	-27.0%	-9.2%	301.9%			
	ClassE	-12.6%	-30.7%	-29.5%	-17.2%	138.1%			
	Average	-6.4%	-31.6%	-29.8%	-11.5%	203.6%			