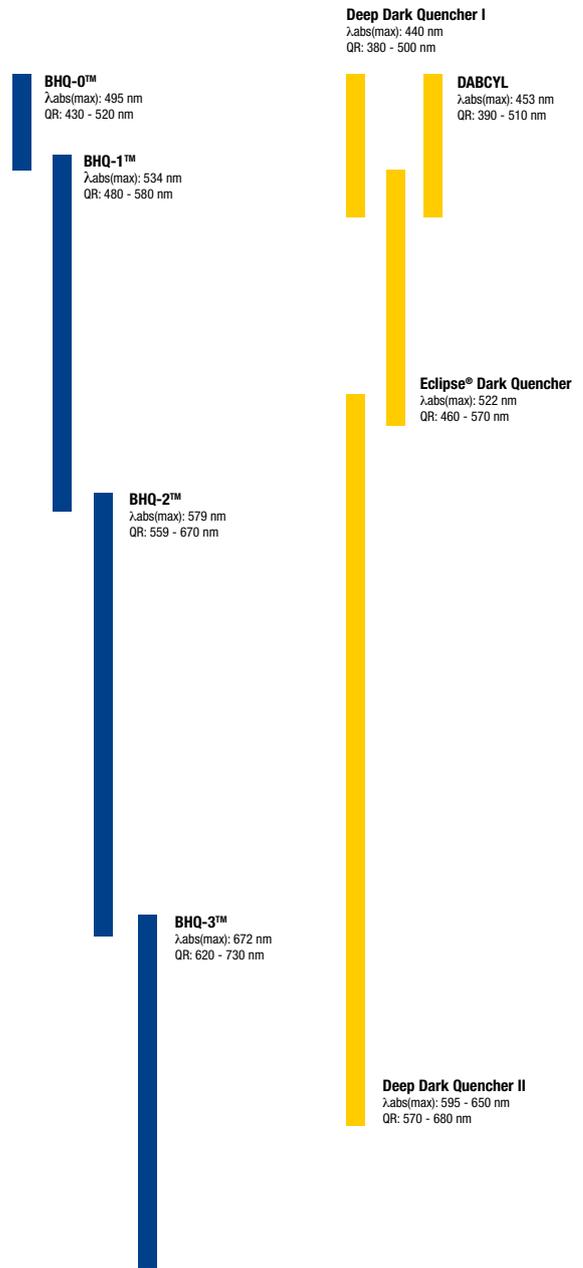


Dye and Quencher Pair Listings

Fluorescent Dyes	Max Abs (nm)	Max Em (nm)
Cascade blue	396	410
Alexa Fluor 405	401	421
AMCA-X	353	442
Alexa Fluor 350	346	442
Pacific Blue	416	451
Marina blue	362	459
ATTO 390	390	479
ATTO 425	436	484
EDANS	336	490
Cy2	489	506
ATTO 465	453	508
BODIPY 493/503	500	509
BODIPY FL-X/BODIPY FL	504	510
DY-475XL	493	514
Alexa Fluor 488	495	519
FAM	494	520
Oregon Green 500	499	519
Oregon Green 488	495	521
ATTO 488	501	523
Fluorescein	492	522
Oregon Green 488-X	495	525
Oregon Green 514	506	526
ATTO 495	495	527
Oyster-500	500	527
DY-495-05	503	528
DY-495-X5	503	528
Rhodamine Green-X	503	528
DY-505-05	505	530
DY-505-X3	505	530
Lucifer Yellow	428	532
Rhodamine Green	505	535
TET	521	536
Alexa Fluor 430	433	541
BODIPY 507/545	508	543
CAL Fluor Gold 540	522	544
ATTO 520	525	545
JOE	520	548
Yakima Yellow	530	549
BODIPY R6G	530	550
BODIPY 530/550	534	551
ATTO 532	532	553
VIC	538	554
Alexa Fluor 532	532	554
DY-500XL	505	555
HEX	535	556
CAL Fluor Orange 560	538	559
DY-485XL	485	560
Cy3	546	562
Alexa Fluor 555	555	565
Quasar 570	548	566
DY-554	549	568
BODIPY 558/568	559	568
BODIPY 564/570	564	569
BODIPY-TMR-X	544	570
Oyster-556	556	570
DY-555	547	572
DY-556	548	573
Alexa Fluor 546	556	573
DY-547	557	574
NED	546	575
Dragonfly orange	554	576
ATTO 550	554	576
DY-560	559	578
Rhodamine Red-X	560	580
TAMRA	556	588
DY-510XL	509	590
BODIPY 581/591	581	591
CAL Fluor Red 590	569	591
ATTO 565	563	592
PET	558	595
FAR-Fuschia	567	597
DY-590	590	599
ROX	575	602
Alexa Fluor 568	578	603
Texas Red-X	583	603
CY3.5	588	604
ROX	585	605
CAL Fluor Red 610	590	610
BODIPY TR-X	588	616
Alexa Fluor 594	590	617
ATTO 590	594	624
ATTO 594	601	627
Alexa Fluor 610	612	628
DY-610	608	629
DY-480XL	500	630
ATTO 610	615	634
DY-600XL	603	634
CAL Fluor Red 635	618	637
BODIPY 630/650	625	640
LC Red 640	625	640
DY-615	621	641
ATTO 620	619	643
Alexa Fluor 633	632	650
PULSAR 650	460	650
LIZ	638	655
DY-630	636	657
DY-632	637	657
DY-633	637	657
ATTO 633	629	657
DY-631	637	658
ATTO 635	635	659
ATTO 637	635	659
Cy5	646	662
DY-520-XL	520	664
Alexa Fluor 647	650	665
BODIPY 650/665	650	665
Oyster-645	645	666
QUASAR 670	647	667
ATTO 647	645	669
ATTO 647N	644	669
WellRed D4-PA	650	670
DY-635	647	671
DY-636	645	671
DY-647	653	672
DY-650	653	674
Oyster-656	656	674
FAR-Blue	660	678
DY-651	653	678
ATTO 655	663	684
Alexa Fluor 660	663	680
DY-673	673	696
DY-675	674	699
DY-676	674	699
ATTO 680	680	700
Alexa Fluor 680	679	702
LC Red 705	685	705
WellRED D3-PA	685	706
Cy5.5	683	707
DY-681	691	708
DY-680	690	709
IRD 700	685	710
DY-690	691	714
ATTO 700	700	719
Alexa Fluor 700	702	723
DY-700	707	730
DY-701	706	731
ATTO 725	725	752
DY-730	732	758
DY-732	736	759
DY-731	736	760
ATTO 740	740	764
Cy7	743	767
WellRED D2-PA	750	770
Alexa Fluor 750	749	775
DY-750	747	776
DY-751	751	779
FAR-Green Two	772	788
DY-781	783	800
DY-782	782	800
DY-776	771	801
DY-780	770	810
IRD 800	795	819
IRIS-Green One	800	820

Emission color



➤ Please note that due to the use of various scales, some discrepancies might be observed between the right and left parts of this figure. Only available in FRET quenching.
➤ QR: Indicative Quenching Range