# 1 Parameters comparison

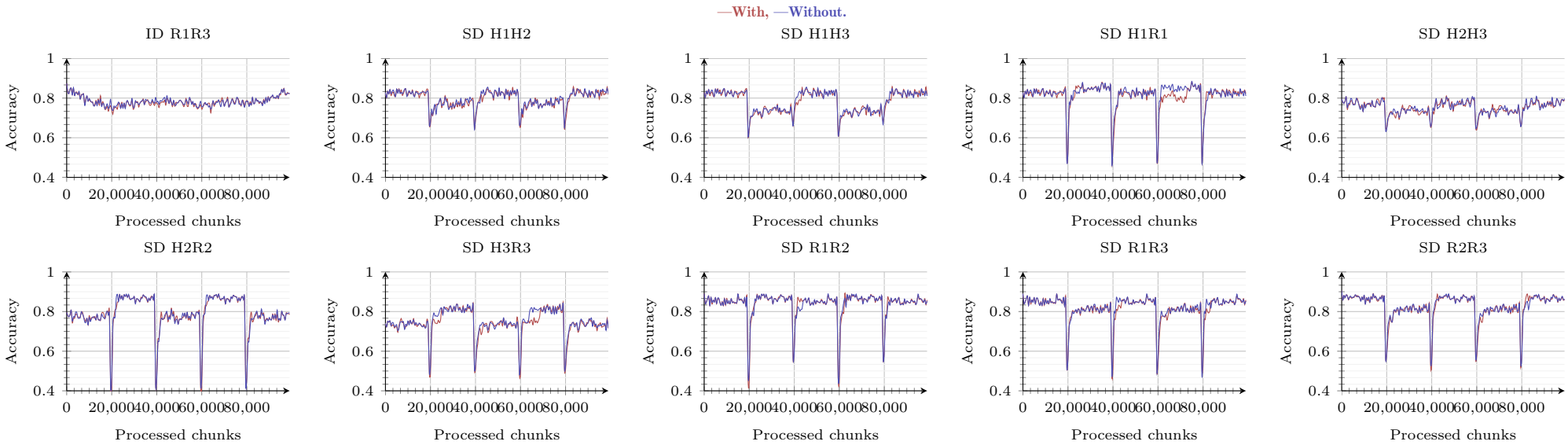
| Value | Mean accuracy and standard deviation for given method parameter | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | **SD H1R1** | **SD H3R3** | **SD R1R2** | **ID R1R3** | **SD R2R3** | **SD R1R3** | **SD H1H3** | **SD H2R2** | **SD H2H3** | **SD H1H2** |
| **Usage of post-pruning** | | | | | | | | | | |
| *True* | 0.811 (0.07) | 0.743 (0.07) | **0.839 (0.07)** | 0.782 (0.02) | 0.828 (0.07) | 0.816 (0.07) | 0.780 (0.05) | 0.790 (0.09) | 0.753 (0.03) | 0.795 (0.04) |
| *False* | **0.818 (0.07)** | **0.750 (0.06)** | 0.839 (0.07) | **0.784 (0.02)** | **0.830 (0.06)** | **0.820 (0.07)** | **0.783 (0.05)** | **0.791 (0.09)** | **0.753 (0.03)** | **0.799 (0.04)** |
| **Used theta value** | | | | | | | | | | |
| *0.0* | **0.864 (0.08)** | **0.789 (0.07)** | **0.886 (0.08)** | **0.831 (0.02)** | **0.873 (0.08)** | **0.862 (0.08)** | **0.834 (0.06)** | **0.839 (0.10)** | **0.804 (0.04)** | **0.851 (0.05)** |
| *0.1* | 0.833 (0.07) | 0.767 (0.07) | 0.854 (0.07) | 0.803 (0.02) | 0.844 (0.07) | 0.834 (0.07) | 0.805 (0.05) | 0.810 (0.09) | 0.777 (0.03) | 0.821 (0.04) |
| *0.3* | 0.832 (0.07) | 0.763 (0.06) | 0.854 (0.07) | 0.801 (0.02) | 0.844 (0.07) | 0.833 (0.07) | 0.800 (0.05) | 0.808 (0.09) | 0.771 (0.03) | 0.816 (0.04) |
| *0.5* | 0.815 (0.07) | 0.746 (0.06) | 0.838 (0.07) | 0.786 (0.03) | 0.829 (0.06) | 0.818 (0.07) | 0.781 (0.06) | 0.793 (0.09) | 0.754 (0.04) | 0.799 (0.04) |
| *0.7* | 0.784 (0.06) | 0.715 (0.06) | 0.803 (0.07) | 0.750 (0.03) | 0.798 (0.06) | 0.787 (0.06) | 0.749 (0.06) | 0.752 (0.08) | 0.712 (0.03) | 0.763 (0.04) |
| *0.9* | 0.760 (0.06) | 0.699 (0.05) | 0.800 (0.07) | 0.729 (0.03) | 0.784 (0.06) | 0.774 (0.06) | 0.722 (0.04) | 0.742 (0.08) | 0.700 (0.03) | 0.733 (0.03) |
| **Weight calculation method** | | | | | | | | | | |
| *same for each* | 0.811 (0.07) | 0.748 (0.07) | 0.837 (0.07) | 0.790 (0.02) | 0.829 (0.07) | 0.816 (0.07) | 0.788 (0.05) | 0.792 (0.09) | 0.761 (0.03) | 0.803 (0.04) |
| *kuncheva* | **0.856 (0.08)** | **0.765 (0.07)** | **0.892 (0.08)** | **0.803 (0.03)** | **0.869 (0.08)** | **0.859 (0.08)** | **0.800 (0.06)** | **0.821 (0.10)** | **0.762 (0.03)** | **0.818 (0.05)** |
| *pta related to whole* | 0.822 (0.08) | 0.749 (0.07) | 0.849 (0.08) | 0.792 (0.03) | 0.837 (0.07) | 0.827 (0.07) | 0.789 (0.06) | 0.799 (0.10) | 0.762 (0.03) | 0.805 (0.04) |
| *bell curve* | 0.769 (0.06) | 0.725 (0.06) | 0.779 (0.06) | 0.748 (0.02) | 0.781 (0.05) | 0.771 (0.05) | 0.750 (0.04) | 0.750 (0.07) | 0.727 (0.03) | 0.762 (0.03) |
| **Aging method** | | | | | | | | | | |
| *weights proportional* | **0.879 (0.08)** | **0.804 (0.07)** | **0.895 (0.08)** | **0.836 (0.02)** | **0.882 (0.07)** | **0.872 (0.07)** | **0.845 (0.06)** | **0.851 (0.10)** | **0.813 (0.04)** | **0.861 (0.05)** |
| *constant* | 0.725 (0.05) | 0.673 (0.05) | 0.748 (0.05) | 0.695 (0.03) | 0.746 (0.05) | 0.735 (0.05) | 0.689 (0.05) | 0.702 (0.07) | 0.662 (0.03) | 0.701 (0.04) |
| *gaussian* | 0.840 (0.09) | 0.762 (0.08) | 0.874 (0.10) | 0.819 (0.03) | 0.859 (0.09) | 0.847 (0.09) | 0.812 (0.06) | 0.819 (0.11) | 0.784 (0.04) | 0.829 (0.05) |

# 2 Methods comparison

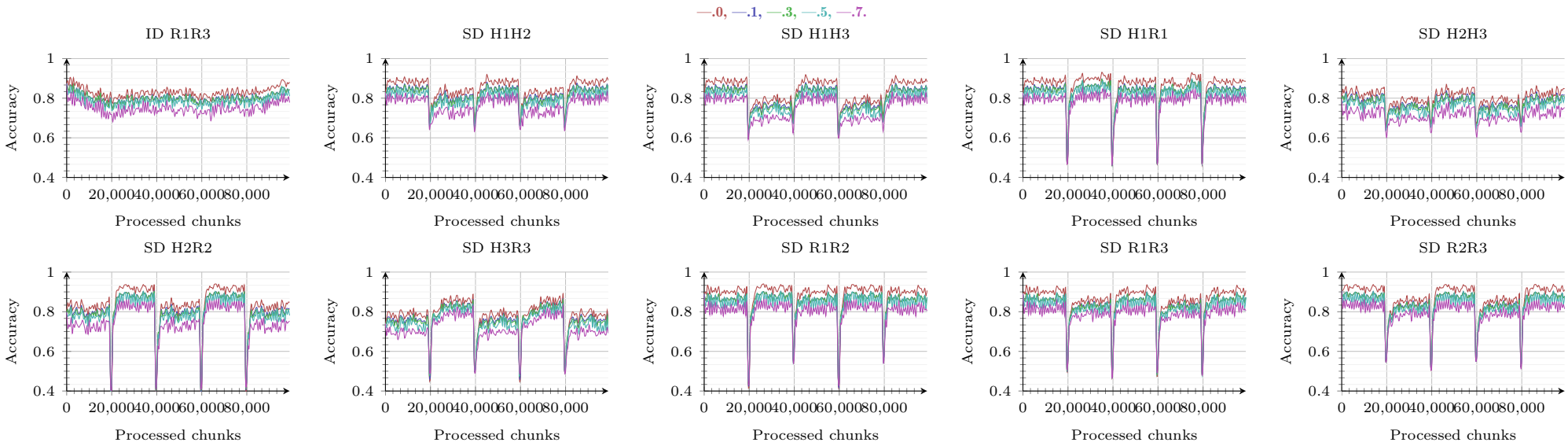
| Method | Mean accuracy and standard deviation for given method | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | **SD H1R1** | **SD H3R3** | **SD R1R2** | **ID R1R3** | **SD R2R3** | **SD R1R3** | **SD H1H3** | **SD H2R2** | **SD H2H3** | **SD H1H2** |
| *WAE* | **0.882 (0.08)** | **0.808 (0.07)** | **0.899 (0.06)** | **0.839 (0.02)** | **0.883 (0.07)** | **0.874 (0.07)** | 0.849 (0.06) | **0.854 (0.10)** | 0.817 (0.04) | 0.866 (0.05) |
| *AUE* | 0.795 (0.14) | 0.718 (0.11) | 0.652 (0.05) | 0.569 (0.05) | 0.642 (0.05) | 0.619 (0.05) | 0.864 (0.06) | 0.776 (0.10) | 0.833 (0.04) | 0.881 (0.05) |
| *AWE* | 0.805 (0.14) | 0.722 (0.12) | 0.658 (0.05) | 0.566 (0.05) | 0.646 (0.06) | 0.620 (0.05) | 0.875 (0.06) | 0.787 (0.11) | 0.844 (0.04) | 0.893 (0.05) |
| *DWM* | 0.808 (0.14) | 0.726 (0.12) | 0.659 (0.04) | 0.570 (0.04) | 0.644 (0.05) | 0.622 (0.05) | **0.878 (0.06)** | 0.794 (0.10) | **0.854 (0.04)** | **0.898 (0.04)** |

# 3 Time plots

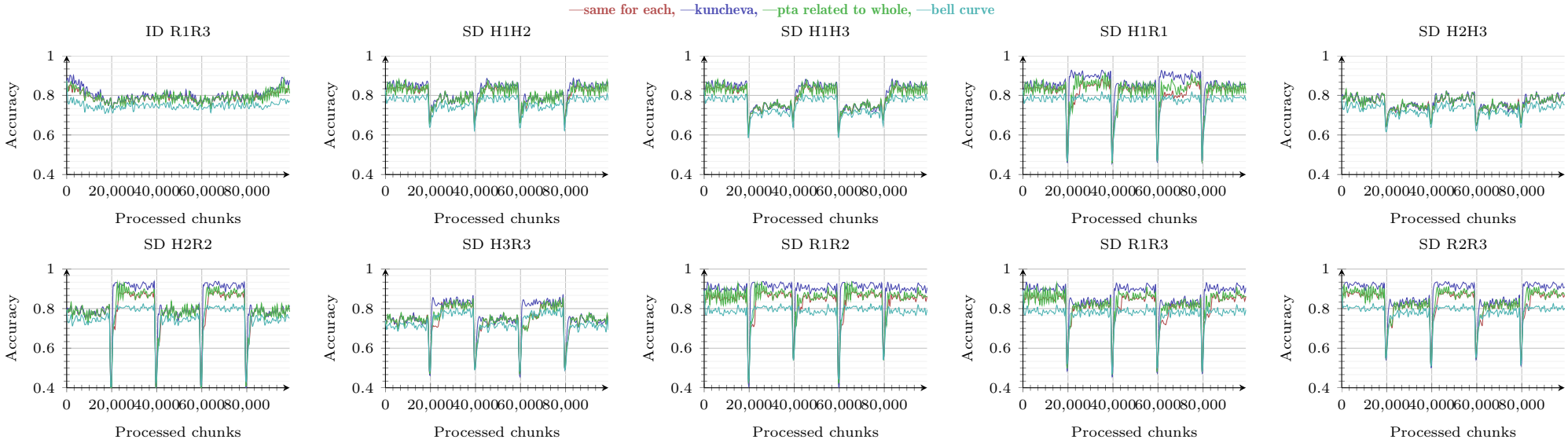
## 3.1 Post-pruning



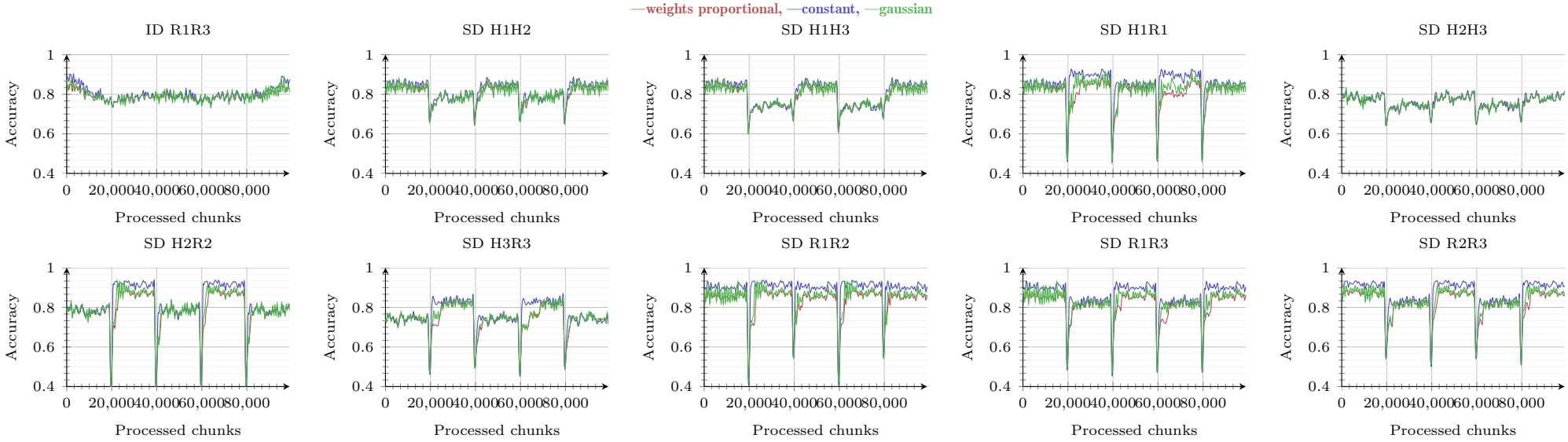

## 3.2 Theta



# 4 Weight calculation method




# 5 Aging method



# 6 Method comparison